

FACILITY PERMIT TO OPERATE

**BP WEST COAST PROD.LLC BP CARSON REF.
2350 E 223RD ST
CARSON, CA 90749**

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Barry R. Wallerstein, D. Env.
EXECUTIVE OFFICER

By _____
Mohsen Nazemi, P.E.
Deputy Executive Officer
Engineering & Compliance

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

TABLE OF CONTENTS

Section	Description	Revision #	Date Issued
A	Facility Information	5	09/01/2009
B	RECLAIM Annual Emission Allocation	13	03/26/2010
C	Facility Plot Plan	TO BE DEVELOPED	
D	Facility Description and Equipment Specific Conditions	25	05/07/2010
E	Administrative Conditions	5	09/01/2009
F	RECLAIM Monitoring and Source Testing Requirements	4	09/01/2009
G	Recordkeeping and Reporting Requirements for RECLAIM Sources	5	09/01/2009
H	Permit To Construct and Temporary Permit to Operate	45	05/28/2010
I	Compliance Plans & Schedules	7	04/15/2010
J	Air Toxics	1	09/01/2009
K	Title V Administration	1	09/01/2009
Appendix			
A	NOx and SOx Emitting Equipment Exempt From Written Permit Pursuant to Rule 219	4	09/01/2009
B	Rule Emission Limits	2	09/01/2009

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: CRUDE DISTILLATION					
System 1: NO.1 CRUDE UNIT					S13.2, S46.1, S46.2, S56.1
TOWER, RPV-4200, CRUDE, WITH RELIEF VALVE VENTED TO FLARE NO. 5, HEIGHT: 137 FT ; DIAMETER: 16 FT 6 IN A/N: 439069 Permit to Construct Issued: 04/11/06	D2				
ACCUMULATOR, RPV 4209, CRUDE TOWER OVERHEAD, HEIGHT: 26 FT ; DIAMETER: 9 FT A/N: 439069 Permit to Construct Issued: 04/11/06	D8				
DRUM, FLARE KNOCK OUT, FOR NO.1 CRUDE UNIT, RW 6934-289.02, LENGTH: 20 FT ; DIAMETER: 10 FT A/N: 439069 Permit to Construct Issued: 04/11/06	D2739			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.12
System 4: CRUDE DISTILLATION UNIT HEATERS					
HEATER, NO.4 CRUDE OIL DISTILLATION CHARGE, REFINERY GAS, WITH LOW EXCESS AIR FIRING, 130 MMBTU/HR WITH A/N: 450144 Permit to Construct Issued: 09/26/06 BURNER, TEN (10) BURNERS, REFINERY GAS, CALLIDUS TECHNOLOGIES, MODEL LX-10W, 10 TOTAL; 130 MMBTU/HR	D31		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	A63.20, B61.4, D28.7, D29.3, D90.4, D328.1, H23.1, K67.2
System 5: NO. 51 VACUUM DISTILLATION UNIT					S13.2, S31.5, S56.1

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: CRUDE DISTILLATION					
TANK, SURGE, FEED, RPV 2500, WITH GAS BLANKET, LENGTH: 45 FT ; DIAMETER: 13 FT A/N: 425810 Permit to Construct Issued: 07/13/05	D35				
TOWER, VACUUM, RPV 2501, HEIGHT: 137 FT 6 IN; DIAMETER: 31 FT 6 IN A/N: 425810 Permit to Construct Issued: 07/13/05	D2726				
KNOCK OUT POT, RPV 3240, OFF-GASES, HEIGHT: 8 FT ; DIAMETER: 2 FT A/N: 425810 Permit to Construct Issued: 07/13/05	D38				
VESSEL, SEPARATOR, RPV 3210, FUEL GAS, HEIGHT: 20 FT 6 IN; DIAMETER: 3 FT 6 IN A/N: 425810 Permit to Construct Issued: 07/13/05	D39				
DRUM, SEAL, LENGTH: 18 FT 6 IN; DIAMETER: 6 FT A/N: 425810 Permit to Construct Issued: 07/13/05	D2727				
POT, BLOWDOWN FLASH, RPV-5550, HEIGHT: 7 FT 8 IN; DIAMETER: 4 FT A/N: 425810 Permit to Construct Issued: 07/13/05	D41				
DRUM, QUENCH, RPV 5546, HEIGHT: 13 FT ; DIAMETER: 5 FT A/N: 425810 Permit to Construct Issued: 07/13/05	D42				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: CRUDE DISTILLATION					
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 425810 Permit to Construct Issued: 07/13/05	D2462			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.3
System 6: NO. 52 VACUUM DISTILLATION UNIT					S13.2, S46.1, S46.2, S56.1
TOWER, VACUUM, RPV-3400, HEIGHT: 45 FT ; DIAMETER: 10 FT A/N: 471487 Permit to Construct Issued: 01/20/09	D43				
TANK, SURGE, RPV-3405, HEAVY GAS OIL, HEIGHT: 12 FT ; DIAMETER: 4 FT A/N: 471487 Permit to Construct Issued: 01/20/09	D44				
TANK, SURGE, RPV-5466, RECYCLE OIL, HEIGHT: 12 FT ; DIAMETER: 3 FT A/N: 471487 Permit to Construct Issued: 01/20/09	D45				
TANK, SURGE, RPV-3407, LIGHT GAS OIL, HEIGHT: 7 FT ; DIAMETER: 3 FT A/N: 471487 Permit to Construct Issued: 01/20/09	D46				
DRUM, SURGE, RW 6956-289.02, FEED, HEIGHT: 20 FT ; DIAMETER: 10 FT A/N: 471487 Permit to Construct Issued: 01/20/09	D2833				E336.14

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: CRUDE DISTILLATION					
VESSEL, COALESCER, RPV 3412, LENGTH: 20 FT 6 IN; DIAMETER: 4 FT 6 IN A/N: 471487 Permit to Construct Issued: 01/20/09	D49				
POT, STRAINER, RPV 5478, LIGHT GAS WASH OIL, HEIGHT: 2 FT 6 IN; DIAMETER: 8 IN A/N: 471487 Permit to Construct Issued: 01/20/09	D56				E336.14
POT, STRAINER, RPV 5469, HEAVY GAS WASH OIL, HEIGHT: 2 FT 6 IN; DIAMETER: 8 IN A/N: 471487 Permit to Construct Issued: 01/20/09	D57				
POT, STRAINER, RPV 5470, HEAVY GAS OIL WASH, HEIGHT: 2 FT 6 IN; DIAMETER: 8 IN A/N: 471487 Permit to Construct Issued: 01/20/09	D58				
POT, STRAINER, RPV 5479, LIGHT GAS OIL, HEIGHT: 2 FT 6 IN; DIAMETER: 8 IN A/N: 471487 Permit to Construct Issued: 01/20/09	D60				E336.14
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 471487 Permit to Construct Issued: 01/20/09	D2463			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.3
Process 2: COKING AND RESIDUAL CONDITIONING					
System 1: DELAYED COKING UNIT NO.1					S13.2, S46.1, S46.2, S56.1

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: COKING AND RESIDUAL CONDITIONING					
FILTER, NO. 1 COKER FRACTIONATOR BOTTOMS CIRCULATION STRAINER EAST, LENGTH: 4 FT 6 IN; DIAMETER: 3 FT A/N: 450810 Permit to Construct Issued: 07/13/06	D2763				
FILTER, NO. 1 COKER FRACTIONATOR BOTTOMS CIRCULATION STRAINER WEST, LENGTH: 4 FT 6 IN; DIAMETER: 3 FT A/N: 450810 Permit to Construct Issued: 07/13/06	D2764				
System 6: BLOWDOWN GAS COMPRESSION SYSTEM					S13.2, S18.7, S31.6, S56.1
COMPRESSOR, A, BLOWDOWN RECOVERY RECIPROCATING, RW 0042 087.32, 2 STAGES WITH INTER-STAGE COOLING A/N: 436041 Permit to Construct Issued: 07/26/05	D111				
COMPRESSOR, B, BLOWDOWN RECOVERY RECIPROCATING, RW 0043 087.32, 2 STAGES WITH INTER-STAGE COOLING A/N: 436041 Permit to Construct Issued: 07/26/05	D112				
COMPRESSOR, C, BLOWDOWN RECOVERY RECIPROCATING, RW 0044 087.32, 2 STAGE WITH INTER-STAGE COOLING A/N: 436041 Permit to Construct Issued: 07/26/05	D113				

- * (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: COKING AND RESIDUAL CONDITIONING					
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 436041 Permit to Construct Issued: 07/26/05	D2469			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.3
System 8: RAW PETROLEUM COKE HANDLING AND STORAGE					S7.2, S7.3, S13.1
HOPPER, RECEIVING, (COMMON TO PROCESS 2, SYSTEM 8 & 9), 15 TONS A/N: 500234 Permit to Construct Issued: 07/28/09	D121			PM: (9) [RULE 405, 2-7-1986]	A63.25, A103.1, D323.2
HOPPER, RECEIVING, (COMMON TO PROCESS 2, SYSTEM 8 & 9), 15 TONS A/N: 500234 Permit to Construct Issued: 07/28/09	D122			PM: (9) [RULE 405, 2-7-1986]	A63.25, A103.1, D323.2
CONVEYOR, BELT, NO.1A, RW 0776-356-01, PETROLEUM COKE, 40 H.P. (COMMON TO PROCESS 2, SYSTEM 8 & 9) A/N: 500234 Permit to Construct Issued: 07/28/09	D127			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E204.4
CONVEYOR, BELT, NO.1B, RW 777 35601, 40 H.P. (COMMON TO PROCESS 2, SYSTEM 8 & 9), WITH A DIVERSION/TRUCK LOADING CHUTE, ENCLOSED, AND EQUIPPED WITH WATER SPRAY A/N: 500234 Permit to Construct Issued: 07/28/09	D128			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E204.4

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: COKING AND RESIDUAL CONDITIONING					
CONVEYOR, NO.2, RW 778 35601, 40 H.P., (COMMON TO PROCESS 2, SYSTEM 8 & 9) A/N: 500234 Permit to Construct Issued: 07/28/09	D129			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E204.4
CONVEYOR, BELT, NO.3, RW 779 35601, PETROLEUM COKE, 20 H.P. (COMMON TO PROCESS 2, SYSTEM 8 & 9) A/N: 500234 Permit to Construct Issued: 07/28/09	D130			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E204.4
CONVEYOR, BELT, NO.4, RW 780 35601, 50 H.P., PETROLEUM COKE, ENCLOSED IN A TUNNEL, (COMMON TO PROCESS 2, SYSTEM 8 & 9) A/N: 500234 Permit to Construct Issued: 07/28/09	D131			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E204.4
CONVEYOR, BELT, NO.5, RW 415 35601, PETROLEUM COKE, 40 H.P. A/N: 500234 Permit to Construct Issued: 07/28/09	D132			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E204.4
CONVEYOR, BELT, NO.6, RW 782 35601, PETROLEUM COKE, 10 H.P. (REVERSIBLE-LOCATED IN SCREEN HOUSE) A/N: 500234 Permit to Construct Issued: 07/28/09	D133			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E204.3, E204.4
CONVEYOR, BELT, NO.7, RW 691 35601, PETROLEUM COKE, 5 H.P. A/N: 500234 Permit to Construct Issued: 07/28/09	D134			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E204.3, E204.4

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: COKING AND RESIDUAL CONDITIONING					
CONVEYOR, BELT, NO.8, RW 693 35601, PETROLEUM COKE, 5 H.P. (LOCATED IN SCREEN HOUSE) A/N: 500234 Permit to Construct Issued: 07/28/09	D135			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E204.3, E204.4
CONVEYOR, BELT, NO.9, RW 692 35601, PETROLEUM COKE, 3 H.P. (REVERSIBLE-LOCATED IN SCREEN HOUSE) A/N: 500234 Permit to Construct Issued: 07/28/09	D136			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E204.3, E204.4
CONVEYOR, BELT, NO.10, RW 420 35601, PETROLEUM COKE, 5 H.P. A/N: 500234 Permit to Construct Issued: 07/28/09	D137			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E204.3, E204.4
CONVEYOR, BELT, NO.11, RW 421 35601, PETROLEUM COKE, 50 H.P. A/N: 500234 Permit to Construct Issued: 07/28/09	D138			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E204.3, E204.4
CONVEYOR, BELT, NO.12, RW 422 35601, PETROLEUM COKE, 20 H.P. A/N: 500234 Permit to Construct Issued: 07/28/09	D139			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E204.3, E204.4
CONVEYOR, BELT, NO.13, RW 783 35601, PETROLEUM COKE, REVERSIBLE SHUTTLE TYPE WITH 10 H.P. DRIVE MOTOR A/N: 500234 Permit to Construct Issued: 07/28/09	D140			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E204.3, E204.4
CRUSHER, #2 COKER, COKE, RW 4 12304, 75 HP MOTOR A/N: 500234 Permit to Construct Issued: 07/28/09	D141			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: COKING AND RESIDUAL CONDITIONING					
FEEDER, #2, VIBRATING, RW 0006-171.02, HEWITT ROBINS, STYLE E-9 A/N: 500234 Permit to Construct Issued: 07/28/09	D142			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2
CRUSHER, COKE, #1A COKER, RW 1 12304, 70 HP MOTOR A/N: 500234 Permit to Construct Issued: 07/28/09	D143			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2
FEEDER, #1, VIBRATING, RW 0003-171.02, HEWITT ROBINS, STYLE E-9 A/N: 500234 Permit to Construct Issued: 07/28/09	D144			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2
STORAGE BUILDING, COKE BARN, WITH FOG SPRAY SYSTEM, WIDTH: 190 FT ; HEIGHT: 96 FT 6 IN; LENGTH: 575 FT A/N: 395837 † Permit to Construct Issued: 08/16/01	D146			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E125.1, E137.1
CONVEYOR, BC 1A, 150 HP, PETROLEUM COKE, LENGTH: 121 FT 9 IN; RISE: 25 FT 10 IN; CAPACITY 1500 TONS PER HOUR, WITH DUST SUPPRESSION WATER SPRAYS A/N: 500234 Permit to Construct Issued: 07/28/09	D2641			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E137.1

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: COKING AND RESIDUAL CONDITIONING					
CONVEYOR, BC 1B, 150 HP, PETROLEUM COKE, LENGTH: 121 FT 9 IN; RISE: 25 FT 10 IN; CAPACITY 1500 TONS PER HOUR, WITH DUST SUPPRESSION WATER SPRAYS A/N: 500234 Permit to Construct Issued: 07/28/09	D2642			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E137.1
HOPPER, RECEIVING, BC 1A, 15 CU. YARD CAPACITY, LENGTH: 16 FT; WIDTH: 8 FT; DEPTH: 7 FT 6 IN A/N: 500234 Permit to Construct Issued: 07/28/09	D2643			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2
HOPPER, RECEIVING, BC 1B, 15 CU. YARD CAPACITY, LENGTH: 16 FT; WIDTH: 8 FT; DEPTH: 7 FT 6 IN A/N: 500234 Permit to Construct Issued: 07/28/09	D2644			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2
System 9: EMERGENCY RAW PETROLEUM COKE HANDLING & STORAGE					S7.4, S13.1
HOPPER, RECEIVING, (COMMON TO PROCESS 2, SYSTEM 8 & 9), 15 TONS A/N: 500234 Permit to Construct Issued: 07/28/09	D121			PM: (9) [RULE 405, 2-7-1986]	A63.25, A103.1, D323.2
HOPPER, RECEIVING, (COMMON TO PROCESS 2, SYSTEM 8 & 9), 15 TONS A/N: 500234 Permit to Construct Issued: 07/28/09	D122			PM: (9) [RULE 405, 2-7-1986]	A63.25, A103.1, D323.2

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: COKING AND RESIDUAL CONDITIONING					
CONVEYOR, BELT, NO.1A, RW 0776-356-01, PETROLEUM COKE, 40 H.P. (COMMON TO PROCESS 2, SYSTEM 8 & 9) A/N: 500234 Permit to Construct Issued: 07/28/09	D127			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E204.4
CONVEYOR, BELT, NO.1B, RW 777 35601, 40 H.P. (COMMON TO PROCESS 2, SYSTEM 8 & 9), WITH A DIVERSION/TRUCK LOADING CHUTE, ENCLOSED, AND EQUIPPED WITH WATER SPRAY A/N: 500234 Permit to Construct Issued: 07/28/09	D128			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E204.4
CONVEYOR, NO.2, RW 778 35601, 40 H.P., (COMMON TO PROCESS 2, SYSTEM 8 & 9) A/N: 500234 Permit to Construct Issued: 07/28/09	D129			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E204.4
CONVEYOR, BELT, NO.3, RW 779 35601, PETROLEUM COKE, 20 H.P. (COMMON TO PROCESS 2, SYSTEM 8 & 9) A/N: 500234 Permit to Construct Issued: 07/28/09	D130			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E204.4
CONVEYOR, BELT, NO.4, RW 780 35601, 50 H.P., PETROLEUM COKE, ENCLOSED IN A TUNNEL, (COMMON TO PROCESS 2, SYSTEM 8 & 9) A/N: 500234 Permit to Construct Issued: 07/28/09	D131			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E204.4

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: COKING AND RESIDUAL CONDITIONING					
CONVEYOR, STACKER BELT, NO. 16, RW 695 35601, WITH A 10 H.P. MOTOR, COVERED, WITH A DIVERSION/ TRUCK LOADING CHUTE, COVERED TOP AND EQUIPPED WITH WATER SPRAY A/N: 500235 Permit to Construct Issued: 07/28/09	D147			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E204.5
OPEN STORAGE PILE, COKE, 8000 TON CONCRETE STORAGE AREA, WITH WATER SPRAY AND A BACKSTOP WALL A/N: 500235 Permit to Construct Issued: 07/28/09	D148			PM: (9) [RULE 405, 2-7-1986]	A63.25, A103.1, D323.2, E204.1, E204.2
HOPPER, RERUN COKE AND PIT A/N: 500235 Permit to Construct Issued: 07/28/09	D149			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2
CONVEYOR, RERUN BELT, NO. 17, RW 696 35601, WITH 30 H.P. MOTOR, COVERED A/N: 500235 Permit to Construct Issued: 07/28/09	D150			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E204.5, E204.6
System 11: COKER GAS TREATING/H2S ABSORPTION					S13.2, S15.6, S18.9, S31.10, S56.1
KNOCK OUT POT, (V-B-103B) RPV 1670, SOUTH MDEA CONTACTOR FEED, HEIGHT: 10 FT ; DIAMETER: 6 FT A/N: 433303 Permit to Construct Issued: 07/21/09	D158				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: COKING AND RESIDUAL CONDITIONING					
VESSEL, NORTH MDEA CONTACTOR, (V-B-104A) RPV 1953, HEIGHT: 54 FT 8 IN; DIAMETER: 6 FT 6 IN A/N: 433303 Permit to Construct Issued: 07/21/09	D159				
VESSEL, SOUTH MDEA CONTACTOR, (V-B-104B) RPV-5966, HEIGHT: 45 FT ; DIAMETER: 6 FT 6 IN A/N: 433303 Permit to Construct Issued: 07/21/09	D160				
KNOCK OUT POT, NORTH MDEA CONTACTOR OUTLET, (V-B-105A) RPV-1970, HEIGHT: 9 FT 6 IN; DIAMETER: 2 FT 6 IN A/N: 433303 Permit to Construct Issued: 07/21/09	D161				
KNOCK OUT POT, SOUTH MDEA CONTACTOR OUTLET, RPV-1671, HEIGHT: 9 FT 6 IN; DIAMETER: 2 FT 6 IN A/N: 433303 Permit to Construct Issued: 07/21/09	D162				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 433303 Permit to Construct Issued: 07/21/09	D2470			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.3
System 12: COKE LOADING					S1.1, S7.1, S7.5, S13.1

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: COKING AND RESIDUAL CONDITIONING					
CONVEYOR, BC 2A, 200 HP, CAPACITY 1500 TONS/HR, PETROLEUM COKE, LENGTH:222 FT 11 IN, RISE:68 FT 3 IN; WITH COVER AND WATER SPRAY SYSTEM A/N: 500236 Permit to Construct Issued: 07/28/09	D2617			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E137.1
CONVEYOR, BC 2B, 200 HP, CAPACITY 1500 TONS/HR, PETROLEUM COKE, LENGTH:222 FT 11 IN, RISE:68 FT 3 IN; WITH COVER AND WATER SPRAY SYSTEM A/N: 500236 Permit to Construct Issued: 07/28/09	D2618			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E137.1
BIN, TRUCK LOAD OUT, 1A, 60 TONS A/N: 500236 Permit to Construct Issued: 07/28/09	D2619			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E137.1
BIN, TRUCK LOAD OUT, 1B, 60 TONS A/N: 500236 Permit to Construct Issued: 07/28/09	D2620			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E137.1
BIN, TRUCK LOAD OUT, 2A, 60 TONS A/N: 500236 Permit to Construct Issued: 07/28/09	D2621			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E137.1
BIN, TRUCK LOAD OUT, 2B, 60 TONS A/N: 500236 Permit to Construct Issued: 07/28/09	D2622			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E137.1

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: COKING AND RESIDUAL CONDITIONING					
HOPPER, TRUCK LOAD OUT WEIGH, 1A, PETROLEUM COKE, 15 TON CAPACITY A/N: 500236 Permit to Construct Issued: 07/28/09	D2623			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E137.1
HOPPER, TRUCK LOAD OUT WEIGH, 1B, PETROLEUM COKE, 15 TON CAPACITY A/N: 500236 Permit to Construct Issued: 07/28/09	D2624			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E137.1
HOPPER, TRUCK LOAD OUT WEIGH, 2A, PETROLEUM COKE, 15 TON CAPACITY A/N: 500236 Permit to Construct Issued: 07/28/09	D2625			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E137.1
HOPPER, TRUCK LOAD OUT WEIGH, 2B, PETROLEUM COKE, 15 TON CAPACITY A/N: 500236 Permit to Construct Issued: 07/28/09	D2626			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E137.1
BULK MATERIAL LOADING STATION, TRUCK LOADING, PETROLEUM COKE, WITH FOUR OVERHEAD TRUCK LOADERS AND WATER SPRAY SYSTEM, WIDTH: 38 FT 8 IN; HEIGHT: 105 FT ; LENGTH: 72 FT 3 IN A/N: 500236 Permit to Construct Issued: 07/28/09	D2627			PM: (9) [RULE 405, 2-7-1986]	A63.25, D323.2, E125.1, E137.1
Process 3: FLUID CATALYTIC CRACKING					
System 1: FLUID CATALYTIC CRACKING UNIT					S13.2, S31.9, S42.1, S56.1

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING					
VESSEL, SEPARATOR, RPV 5689 289.02, ELECTRICAL PRODUCT, CLAROIL, GULFTRONICS, 14 MODULES, 12" X 76" A/N: 472385 Permit to Construct Issued: 12/04/07	D1336				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING					
REGENERATOR, RPV-2318, HEIGHT: 81 FT 3 IN; DIAMETER: 51 FT 8 IN A/N: 472385 Permit to Construct Issued: 12/04/07	D164	D234	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 500 PPMV (5A) [CONSENT DECREE CIVIL NO. 2:96 CV 095 RL, 8-29-2001]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; HAP: (10) [40CFR 63 Subpart UUU, #2, 4-20-2006]; NOX: 20 PPMV (5A) [CONSENT DECREE CIVIL NO. 2:96 CV 095 RL (Fourth Amendment), 10-7-2005]; NOX: 60 PPMV (5B) [CONSENT DECREE CIVIL NO. 2:96 CV 095 RL (Fourth Amendment), 10-7-2005]; PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; PM10: 2.8 LBS/1000 BBLS (5) [RULE 1105.1, 11-7-2003]; SO2: 50 PPMV (5A) [CONSENT DECREE CIVIL NO. 2:96 CV 095 RL (Fourth Amendment), 10-7-2005]; SO2: 150 PPMV (5B) [CONSENT DECREE CIVIL NO. 2:96 CV 095 RL (Fourth Amendment), 10-7-2005]	A195.1, A195.2, A195.3, A195.4, A195.6, D29.8, D29.11, D82.4, D323.3, E193.17, E193.18, H23.27

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING					
VESSEL, SEPARATOR, RPV 5690 289.02, ELECTRICAL PRODUCT, CLAROIL, GULFTRONICS, 14 MODULES, 12" X 76" A/N: 472385 Permit to Construct Issued: 12/04/07	D1337				
COLUMN, STRIPPER, RPV 2321, LIGHT CYCLE OIL, HEIGHT: 19 FT 6 IN; DIAMETER: 7 FT 6 IN A/N: 472385 Permit to Construct Issued: 12/04/07	D165				
VESSEL, SEPARATOR, RPV 5691 289.02, ELECTRICAL PRODUCT, CLAROIL, GULFTRONICS, 14 MODULES, 12" X 76" A/N: 472385 Permit to Construct Issued: 12/04/07	D1338				
FRACTIONATOR, MAIN, RPV-2322, HEIGHT: 99 FT 9 IN; DIAMETER: 27 FT A/N: 472385 Permit to Construct Issued: 12/04/07	D166				E193.18
VESSEL, SEPARATOR, RPV 5692 289.02, ELECTRICAL PRODUCT, CLAROIL, GULFTRONICS, 14 MODULES, 12" X 76" A/N: 472385 Permit to Construct Issued: 12/04/07	D1339				
FILTER, FCCU EAST SLURRY PUMP STRAINER, LENGTH: 5 FT 4 IN; DIAMETER: 3 FT A/N: 472385 Permit to Construct Issued: 12/04/07	D2841				E336.15

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING					
FILTER, FCCU MIDDLE SLURRY PUMP BASKET STRAINER, LENGTH: 5 FT 4 IN; DIAMETER: 3 FT A/N: 472385 Permit to Construct Issued: 12/04/07	D2842				E336.15
FILTER, FCCU WEST SLURRY PUMP STRAINER, LENGTH: 5 FT 4 IN; DIAMETER: 3 FT A/N: 472385 Permit to Construct Issued: 12/04/07	D2843				E336.15
REACTOR, DISENGAGER, RPV 2323, HEIGHT: 40 FT ; DIAMETER: 39 FT 8 IN A/N: 472385 Permit to Construct Issued: 12/04/07	D167				E193.18
VESSEL, SEPARATOR, RPV 5693 289.02, ELECTRICAL PRODUCT, CLAROIL, GULFTRONICS, 14 MODULES, 12" X 76" A/N: 472385 Permit to Construct Issued: 12/04/07	D1340				
ACCUMULATOR, RPV 2350, FRACTIONATOR OVERHEAD, HEIGHT: 20 FT ; DIAMETER: 12 FT A/N: 472385 Permit to Construct Issued: 12/04/07	D168				E193.18
VESSEL, SEPARATOR, RPV 5694 289.02, ELECTRICAL PRODUCT, CLAROIL, GULFTRONICS, 14 MODULES, 12" X 76" A/N: 472385 Permit to Construct Issued: 12/04/07	D1341				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING					
VESSEL, TOP REFLUX SETTLER, RPV 2395, (COMMON TO FCC GAS PLANT), LENGTH: 40 FT ; DIAMETER: 12 FT A/N: 472385 Permit to Construct Issued: 12/04/07	D169			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.12
VESSEL, SEPARATOR, RPV 5695 289.02, ELECTRICAL PRODUCT, CLAROIL, GULFTRONICS, 14 MODULES, 12" X 76" A/N: 472385 Permit to Construct Issued: 12/04/07	D1342				
TANK, SURGE, HOT FEED, RPV 2618, LENGTH: 45 FT ; DIAMETER: 12 FT A/N: 472385 Permit to Construct Issued: 12/04/07	D170				
VESSEL, SEPARATOR, RPV 5696 289.02, ELECTRICAL PRODUCT, CLAROIL, GULFTRONICS, 14 MODULES, 12" X 76" A/N: 472385 Permit to Construct Issued: 12/04/07	D1343				
VESSEL, SEPARATOR, RPV 5697 289.02, ELECTRICAL PRODUCT, CLAROIL, GULFTRONICS, 14 MODULES, 12" X 76" A/N: 472385 Permit to Construct Issued: 12/04/07	D1344				
ELECTROSTATIC PRECIPITATOR, RPV 3980, "A" SKID SOUTH #5, CLAROIL, GULFTRONICS A/N: 472385 Permit to Construct Issued: 12/04/07	D172				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING					
VESSEL, SEPARATOR, RPV 5698 289.02, ELECTRICAL PRODUCT, CLAROIL, GULFTRONICS, 14 MODULES, 12" X 76" A/N: 472385 Permit to Construct Issued: 12/04/07	D1345				
ELECTROSTATIC PRECIPITATOR, RPV 3981, "A" SKID NORTH #5, CLAROIL, GULFTRONICS A/N: 472385 Permit to Construct Issued: 12/04/07	D173				
VESSEL, SEPARATOR, RPV 5699 289.02, ELECTRICAL PRODUCT, CLAROIL, GULFTRONICS, 14 MODULES, 12" X 76" A/N: 472385 Permit to Construct Issued: 12/04/07	D1346				
ELECTROSTATIC PRECIPITATOR, RPV 3982, "A" SKID SOUTH #4, CLAROIL, GULFTRONICS A/N: 472385 Permit to Construct Issued: 12/04/07	D174				
VESSEL, SEPARATOR, RPV 5700 289.02, ELECTRICAL PRODUCT, CLAROIL, GULFTRONICS, 14 MODULES, 12" X 76" A/N: 472385 Permit to Construct Issued: 12/04/07	D1347				
ELECTROSTATIC PRECIPITATOR, RPV 3983, "A" SKID NORTH #4, CLAROIL, GULFTRONICS A/N: 472385 Permit to Construct Issued: 12/04/07	D175				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING					
VESSEL, SEPARATOR, RPV 5701 289.02, ELECTRICAL PRODUCT, CLAROIL, GULFTRONICS, 14 MODULES, 12" X 76" A/N: 472385 Permit to Construct Issued: 12/04/07	D1348				
ELECTROSTATIC PRECIPITATOR, RPV 3984, "A" SKID SOUTH #3, CLAROIL, GULFTRONICS A/N: 472385 Permit to Construct Issued: 12/04/07	D176				
VESSEL, SEPARATOR, RPV 5702 289.02, ELECTRICAL PRODUCT, CLAROIL, GULFTRONICS, 14 MODULES, 12" X 76" A/N: 472385 Permit to Construct Issued: 12/04/07	D1349				
ELECTROSTATIC PRECIPITATOR, RPV 3985, "A" SKID NORTH #3, CLAROIL, GULFTRONICS A/N: 472385 Permit to Construct Issued: 12/04/07	D177				
ELECTROSTATIC PRECIPITATOR, RPV 3986, "A" SKID SOUTH #2, CLAROIL, GULFTRONICS A/N: 472385 Permit to Construct Issued: 12/04/07	D178				
ELECTROSTATIC PRECIPITATOR, RPV 3987, "A" SKID NORTH #2, CLAROIL, GULFTRONICS A/N: 472385 Permit to Construct Issued: 12/04/07	D179				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING					
ELECTROSTATIC PRECIPITATOR, RPV 3989, "A" SKID NORTH #1, CLAROIL, GULFTRONICS A/N: 472385 Permit to Construct Issued: 12/04/07	D180				
ELECTROSTATIC PRECIPITATOR, RPV 3988, "A" SKID SOUTH #1, CLAROIL, GULFTRONICS A/N: 472385 Permit to Construct Issued: 12/04/07	D181				
VESSEL, # 2 DEPROPANIZER, RPV 5579, HEIGHT: 7 FT 8 IN; DIAMETER: 3 FT A/N: 472385 Permit to Construct Issued: 12/04/07	D182				
BIN, STORAGE, ADDITIVE, INTERCAT, HEIGHT: 30 FT ; DIAMETER: 5 FT A/N: 472385 Permit to Construct Issued: 12/04/07	D183			PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D323.4
STORAGE TANK, HOT CATALYST, RPV 2316, CATALYST, HEIGHT: 65 FT ; DIAMETER: 17 FT A/N: 472385 Permit to Construct Issued: 12/04/07	D184			PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D323.4
HOPPER, COLD CATALYST STORAGE, RPV 2315, HEIGHT: 65 FT ; DIAMETER: 17 FT A/N: 472385 Permit to Construct Issued: 12/04/07	D2845				
KNOCK OUT POT, COLD STORAGE EJECTOR, RW 6335, HEIGHT: 8 FT ; DIAMETER: 2 FT A/N:	D185				

- * (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING					
TOWER, JET STRIPPER, RW 6395 289.01, HEIGHT: 45 FT 6 IN; DIAMETER: 5 FT A/N: 472385 Permit to Construct Issued: 12/04/07	D2382				
COMPRESSOR, RW 0028 087.04, MAIN AIR BLOWER, MANUFACTURER NUOVO PIGNONE, MODEL MCL-1803, 3 STAGE CENTRIFUGAL, 172000 CU.FT./MIN A/N: 472385 Permit to Construct Issued: 12/04/07	D2387				E193.18
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 472385 Permit to Construct Issued: 12/04/07	D2471			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.3
System 2: FCCU GAS PLANT					S13.2, S15.6, S31.2, S31.9, S56.1
POT, RERUN PREHEATER, CONDENSATE, RPV 2370, HEIGHT: 3 FT ; DIAMETER: 2 FT A/N: 458689 Permit to Construct Issued: 09/28/07	D186				
COLUMN, JET CUT TOWER, RW 5917, HEIGHT: 77 FT 6 IN; DIAMETER: 11 FT 6 IN A/N: 458689 Permit to Construct Issued: 09/28/07	D1350				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING					
TANK, RPV-2369, CAUSTIC WASH SETTLER, LENGTH: 26 FT ; DIAMETER: 8 FT A/N: 458689 Permit to Construct Issued: 09/28/07	D2839				
TOWER, RPV 2372, RERUN, HEIGHT: 68 FT 6 IN; DIAMETER: 12 FT A/N: 458689 Permit to Construct Issued: 09/28/07	D187				E193.18
ACCUMULATOR, RPV 2375, RERUN TOWER OVERHEAD, LENGTH: 18 FT ; DIAMETER: 9 FT A/N: 458689 Permit to Construct Issued: 09/28/07	D188			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	E193.18, H23.12
ACCUMULATOR, RW5923, JET CUT TOWER OVERHEAD,, HEIGHT: 26 FT 3 IN; DIAMETER: 8 FT 9 IN A/N: 458689 Permit to Construct Issued: 09/28/07	D1351				
POT, #1, JET CUT TOWER CONDENSATE EAST, RW 5921, HEIGHT: 3 FT ; DIAMETER: 2 FT 6 IN A/N: 458689 Permit to Construct Issued: 09/28/07	D1352				
POT, #2, JET CUT TOWER CONDENSATE WEST, RW 5920, HEIGHT: 3 FT ; DIAMETER: 2 FT 6 IN A/N: 458689 Permit to Construct Issued: 09/28/07	D1353				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING					
DRUM, RW 5943, JET CUT TOWER CONDENSATE, HEIGHT: 8 FT 10 IN; DIAMETER: 4 FT A/N: 458689 Permit to Construct Issued: 09/28/07	D1354				
TOWER, DEBUTANIZER, RPV 2391, HEIGHT: 87 FT 3 IN; DIAMETER: 13 FT 6 IN A/N: 458689 Permit to Construct Issued: 09/28/07	D191				
DRUM, JET CUT TOWER OILY WATER SEWER, RW 5940, HEIGHT: 8 FT 10 IN; DIAMETER: 4 FT A/N: 458689 Permit to Construct Issued: 09/28/07	D1355			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.12
KNOCK OUT POT, RPV 2393, FUEL GAS, HEIGHT: 15 FT ; DIAMETER: 9 FT A/N: 458689 Permit to Construct Issued: 09/28/07	D192				E193.18
DRUM, JET CUT TOWERPUMP OUT, RW 5945, HEIGHT: 8 FT 10 IN; DIAMETER: 4 FT A/N: 458689 Permit to Construct Issued: 09/28/07	D1356			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]	H23.12
SETTLING TANK, RPV 2395, RERUN WATER, LENGTH: 40 FT ; DIAMETER: 12 FT A/N: 458689 Permit to Construct Issued: 09/28/07	D193				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING					
KNOCK OUT POT, RPV 1674, DEBUTANIZER OVERHEAD ACCUMULATOR, HEIGHT: 2 FT 2 IN; DIAMETER: 1 FT 6 IN A/N: 458689 Permit to Construct Issued: 09/28/07	D194				
ACCUMULATOR, RPV 2406, DEBUTANIZER OVERHEAD, LENGTH: 20 FT ; DIAMETER: 10 FT A/N: 458689 Permit to Construct Issued: 09/28/07	D195				
TOWER, ABSORBER, DEETHANIZER, RPV 2407, HEIGHT: 132 FT ; DIAMETER: 9 FT A/N: 458689 Permit to Construct Issued: 09/28/07	D196				
KNOCK OUT POT, RPV 2408, ABSORBER DRY GAS, HEIGHT: 8 FT ; DIAMETER: 4 FT A/N: 458689 Permit to Construct Issued: 09/28/07	D197				
POT, ABSORBER DEHYDRATOR, RPV 2409, HEIGHT: 8 FT ; DIAMETER: 5 FT A/N: 458689 Permit to Construct Issued: 09/28/07	D198				E193.18
TOWER, MDEA CONTACTOR (BACKUP), RPV 2386, SPONGE OIL / MDEA, HEIGHT: 39 FT ; DIAMETER: 8 FT A/N: 458689 Permit to Construct Issued: 09/28/07	D199				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING					
TOWER, #2 DEPROPANIZER, RPV 2550, HEIGHT: 68 FT 6 IN; DIAMETER: 6 FT A/N: 458689 Permit to Construct Issued: 09/28/07	D201				
KNOCK OUT POT, RPV 5580, NO.2 DEPROPANIZER OVERHEAD ACCUMULATOR SOUR WATER, HEIGHT: 4 FT ; DIAMETER: 1 FT 6 IN A/N: 458689 Permit to Construct Issued: 09/28/07	D202				
SETTLING TANK, RPV 5664, RAW GASOLINE/WATER, LENGTH: 19 FT ; DIAMETER: 10 FT 6 IN A/N: 458689 Permit to Construct Issued: 09/28/07	D203				E193.18
TOWER, DEHEXANIZER, RPV 2580, HEIGHT: 79 FT ; DIAMETER: 8 FT 6 IN A/N: 458689 Permit to Construct Issued: 09/28/07	D204				
ACCUMULATOR, RPV 2581, DEHEXANIZER OVERHEAD, LENGTH: 18 FT ; DIAMETER: 5 FT A/N: 458689 Permit to Construct Issued: 09/28/07	D205				
COLUMN, ABSORBER MDEA CONTACTOR, RPV 3676, HEIGHT: 50 FT 10 IN; DIAMETER: 3 FT 6 IN A/N: 458689 Permit to Construct Issued: 09/28/07	D206				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING					
KNOCK OUT POT, RPV 3677, NO. 1 DEPROPANIZER OVERHEAD ACCUMULATOR SOUR WATER, HEIGHT: 2 FT ; DIAMETER: 1 FT A/N: 458689 Permit to Construct Issued: 09/28/07	D207				
POT, ABSORBER-DEETHANIZER REBOILER DEHYDRATOR, RPV 5383, HEIGHT: 14 FT 8 IN; DIAMETER: 9 FT A/N: 458689 Permit to Construct Issued: 09/28/07	D208				
TOWER, NO.1 DEPROPANIZER, RPV 2380, BY REPLACING THE TRAYS, HEIGHT: 91 FT 9 IN; DIAMETER: 8 FT 6 IN A/N: 458689 Permit to Construct Issued: 09/28/07	D189				E193.18
ACCUMULATOR, RPV 2384, NO.1 DEPROPANIZER OVERHEAD, BY REPLACING THE NOZZLES & REMOVING THE INTERNAL SPARGER & ADDING COALESCING PAD, LENGTH: 17 FT ; DIAMETER: 8 FT A/N: 458689 Permit to Construct Issued: 09/28/07	D190			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.12

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING					
ACCUMULATOR, RPV 2390, #2 DEPROPANIZER OVERHEAD, BY REMOVING THE INTERNAL SPARGER & BY ADDING THE NOZZLES, LENGTH: 18 FT ; DIAMETER: 6 FT A/N: 458689 Permit to Construct Issued: 09/28/07	D200				
FILTER, RW6780-289.02, PROPANE/PROPYLENE SAND FILTER, HEIGHT: 17 FT ; DIAMETER: 8 FT A/N: 458689 Permit to Construct Issued: 09/28/07	D2458				
POT, SOUR WATER FOR RPV-6965, HEIGHT: 3 FT ; DIAMETER: 1 FT 6 IN A/N: 458689 Permit to Construct Issued: 09/28/07	D2772				E193.18
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 458689 Permit to Construct Issued: 09/28/07	D2472			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.3
System 3: FCCU GAS COMPRESSION& HYDROGEN SULFIDE REMOVAL UNIT					S13.2, S31.9, S46.1, S46.2, S56.1
ABSORBER, VAPOR PHASE, RPV 2345, HEIGHT: 42 FT ; DIAMETER: 9 FT A/N: 460563 Permit to Construct Issued: 04/03/07	D217				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING					
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 460563 Permit to Construct Issued: 04/03/07	D2473			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.3
DRUM, 115# FLASH, RPV-2644 A/N: 460563 Permit to Construct Issued: 04/03/07	D2773			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	E193.18, H23.12
System 5: AIR POLLUTION CONTROL SYSTEM SERVING FCCU					S42.1
BOILER, NO.41, WITH A BYPASS DUCT AROUND THE BOILER, MODIFY TO A WASTE HEAT BOILER, UNFIRED A/N: 396005 † Permit to Construct Issued: 02/06/98	D234	D164 C2651 C2769			
STACK A/N: 395998 † Permit to Construct Issued: 08/21/96	S237				
STACK A/N: 395998 † Permit to Construct Issued: 08/21/96	S238				
STACK A/N: 395998 † Permit to Construct Issued: 08/21/96	S239				
STACK, (BYPASS) A/N: 395998 † Permit to Construct Issued: 08/21/96	S240				
VESSEL, SEPARATOR, RPV 5524, FOURTH STAGE GAS, HEIGHT: 16 FT 6 IN; DIAMETER: 2 FT 6 IN A/N: 450844 Permit to Construct Issued: 10/30/06	D1361				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING					
HOPPER, FOURTH STAGE DISPOSAL, RPV 5520 A/N: 450844 Permit to Construct Issued: 10/30/06	D1362				
ELECTROSTATIC PRECIPITATOR, 110 FT L X 70 FT W X 115 FT H, HARMON RESEARCH-COTRELL, 2 CHAMBERS EACH WITH 10 T/R SETS RATED AT 90 KV, LOCATED DOWNSTREAM OF SCR, 1200 KW WITH A/N: 450844 Permit to Construct Issued: 10/30/06 AMMONIA INJECTION	C2769	D234 C2651 S2771		NH3: 10 PPMV (5) [RULE 1105.1, 11-7-2003]	A99.7, A195.7, D29.2, D90.10, D90.11, D90.12, D90.13, D323.3, E193.15, E193.17, E193.18
STACK, ESP STACK, HEIGHT: 171 FT ; DIAMETER: 11 FT 6 IN A/N: 450844 Permit to Construct Issued: 10/30/06	S2771	C2769			E193.18
SELECTIVE CATALYTIC REDUCTION, WIDTH: 29 FT 6 IN; HEIGHT: 48 FT 9.5 IN; LENGTH: 28 FT 11.5 IN A/N: 450845 Permit to Construct Issued: 10/31/06	C2651	D234 S2653 C2769		NH3: 10 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996]	D12.16, D12.17, D12.18, D29.1, D29.4, D90.6, E73.3, K40.2
STACK, HEIGHT: 135 FT ; DIAMETER: 12 FT A/N: 450845 Permit to Construct Issued: 10/31/06	S2653	C2651			
System 8: CATALYST HANDLING FACILITY NO. 2					

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING					
VESSEL, ADDITIVE SHOT POT, NOX REDUCING CATALYST, WITH MANUAL INJECTION VACUUM SYSTEM, GRACE MODEL CIS-2452-VM, WIDTH: 5 FT ; HEIGHT: 8 FT ; LENGTH: 3 FT A/N: 398322 Permit to Construct Issued: 12/19/02	D2658	C2661		PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D28.6, D323.2, E71.14
VESSEL, ADDITIVE SHOT POT, NOX REDUCING CATALYST, WITH MANUAL INJECTION VACUUM SYSTEM, INTERCAT MODEL INTERCAT 50 A/N: 398322 Permit to Construct Issued: 12/19/02	D2659	C2662		PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D28.6, D323.2, E71.14
VESSEL, ADDITIVE SHOT POT, NOX REDUCING CATALYST, WITH MANUAL INJECTION VACUUM SYSTEM, INTERCAT MODEL INTERCAT 200 A/N: 398322 Permit to Construct Issued: 12/19/02	D2660	C2663		PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D28.6, D323.2, E71.14
FILTER, CARTRIDGE TYPE, OUTER DIAMETER: 1 FT; INNER DIAMETER: 8 IN; LENGTH: 1 FT 8 IN A/N: 398322 Permit to Construct Issued: 12/19/02	C2661	D2658			A72.2, D322.4, D381.2, K67.8
FILTER, CARTRIDGE TYPE, OUTER DIAMETER: 1 FT; INNER DIAMETER: 8 IN; LENGTH: 1 FT 8 IN A/N: 398322 Permit to Construct Issued: 12/19/02	C2662	D2659			A72.2, D322.4, D381.2, K67.8

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING					
FILTER, CARTRIDGE TYPE, OUTER DIAMETER: 1 FT; INNER DIAMETER: 8 IN; LENGTH: 1 FT 8 IN A/N: 398322 Permit to Construct Issued: 12/19/02	C2663	D2660			A72.2, D322.4, D381.2, K67.8
System 10: AMMONIA INJECTION SYSTEM					
STORAGE TANK, PRESSURIZED, AQUEOUS AMMONIA, 30%, 12660 GALS A/N: 397359 Permit to Construct Issued: 05/01/02	D2652				C157.1, E57.2
Process 4: FRACTIONATION					
System 1: SUPERFRACTIONATION UNIT					S4.3, S4.4, S13.2, S56.1
COLUMN, STABILIZER, NO.1 DEBUTANIZER, RPV-1035, HEIGHT: 77 FT ; DIAMETER: 6 FT 6 IN A/N: 499006 Permit to Construct Issued: 03/25/10	D253				
COLUMN, STABILIZER, NO. 2 DEBUTANIZER, RPV-1040, HEIGHT: 117 FT 9 IN; DIAMETER: 6 FT 6 IN A/N: 499006 Permit to Construct Issued: 03/25/10	D254				
COLUMN, SOUTH AREA DISOBUTANIZER, RPV-1101, HEIGHT: 127 FT ; DIAMETER: 8 FT 6 IN A/N: 499006 Permit to Construct Issued: 03/25/10	D255				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 4: FRACTIONATION					
COLUMN, NO.4 DEBUTANIZER, RPV-1117, WITH 40 TRAYS, HEIGHT: 84 FT ; DIAMETER: 8 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D256				
COLUMN, STABILIZER, NO. 7, RPV-1118, HEIGHT: 62 FT ; DIAMETER: 3 FT 6 IN A/N: 499006 Permit to Construct Issued: 03/25/10	D257				
COLUMN, NO.1 NAPHTHA SPLITTER, RPV-1133, WITH 58 TRAYS, HEIGHT: 112 FT ; DIAMETER: 11 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D258				
COLUMN, STABILIZER, NO. 9, RPV-1183, HEIGHT: 136 FT ; DIAMETER: 12 FT 6 IN A/N: 499006 Permit to Construct Issued: 03/25/10	D259				
COLUMN, STABILIZER, NO. 10, RPV-1190, HEIGHT: 110 FT ; DIAMETER: 7 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D260				
COLUMN, STABILIZER, NO. 11, RPV-1199, HEIGHT: 134 FT ; DIAMETER: 8 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D261				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 4: FRACTIONATION					
COLUMN, NO.3 DEBUTANIZER, RPV-1208, HEIGHT: 110 FT ; DIAMETER: 6 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D262				
ACCUMULATOR, NO.1 DEBUTANIZER, RPV-5574,STABILIZER OVERHEAD, LENGTH: 20 FT ; DIAMETER: 5 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D263				
TANK, SURGE, NO.1 DEBUTANIZER FEED, RPV 5573, LENGTH: 40 FT ; DIAMETER: 8 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D264				
ACCUMULATOR, NO.2 DEBUTANIZER, RPV-1041, OVERHEAD, HEIGHT: 18 FT 9.5 IN; DIAMETER: 6 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D265			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]	H23.12
ACCUMULATOR, RPV-5474, SOUTH AREA DIB OVERHEAD, HEIGHT: 18 FT ; DIAMETER: 6 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D267				
TANK, SURGE, SOUTH AREA DIB FEED, #5 STABILIZER, RPV-1226, HEIGHT: 30 FT 8 IN; DIAMETER: 10 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D268				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 4: FRACTIONATION					
ACCUMULATOR, NO. 4 DEBUTANIZER OVERHEAD, RPV-5575, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 20 FT ; DIAMETER: 5 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D269				
TANK, SURGE, NO. 258, RPV-1073, NO. 4 DEBUTANIZER FEED, HEIGHT: 32 FT 6 IN; DIAMETER: 10 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D270				
TANK, SURGE, RPV 1181, NO.3 DEBUTANIZER FEED, HEIGHT: 32 FT ; DIAMETER: 9 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D272				
DRUM, KNOCK OUT, WEST, RPV-1185, SOUTH AREA FLARE, LENGTH: 15 FT 8 IN; DIAMETER: 6 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D274				
DRUM, KNOCK OUT, EAST, RPV 1189, SOUTH AREA FLARE, LENGTH: 15 FT 8 IN; DIAMETER: 6 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D275				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 4: FRACTIONATION					
ACCUMULATOR, RPV 1639, DEBUTANIZER OVERHEAD, LENGTH: 12 FT ; DIAMETER: 6 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D277			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.12
TANK, SURGE, RPV 1182, #10 STABILIZER FEED, LENGTH: 32 FT ; DIAMETER: 9 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D278				
TANK, SURGE, RPV-1180, # 11 STABILIZER FEED, HEIGHT: 32 FT ; DIAMETER: 9 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D280				
ACCUMULATOR, RPV 1205, NO. 11 STABILIZER OVERHEAD, LENGTH: 16 FT ; DIAMETER: 6 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D281				
ACCUMULATOR, RPV 1213, NO.3 DEBUTANIZER OVERHEAD, LENGTH: 16 FT ; DIAMETER: 6 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D282				
POT, RPV 2092, LPG VAPORIZER CONDENSATE, HEIGHT: 4 FT ; DIAMETER: 2 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D283				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 4: FRACTIONATION					
TOWER, DEBUTANIZER, (RPV-1638), HEIGHT: 76 FT 8 IN; DIAMETER: 7 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D284				
KNOCK OUT POT, RW-5511, NO. 3 DEBUTANIZER OVERHEAD ACCUMULATOR, HEIGHT: 3 FT ; DIAMETER: 1 FT 11 IN A/N: 499006 Permit to Construct Issued: 03/25/10	D2894			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.12
KNOCK OUT POT, RW-5512, NO. 3 DEBUTANIZER FEED SURGE DRUM, HEIGHT: 3 FT ; DIAMETER: 1 FT 11 IN A/N: 499006 Permit to Construct Issued: 03/25/10	D2895			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.12
KNOCK OUT POT, RW-5513, NO. 1 DEBUTANIZER ACCUMULATOR, HEIGHT: 3 FT ; DIAMETER: 1 FT 11 IN A/N: 499006 Permit to Construct Issued: 03/25/10	D2896			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.12
KNOCK OUT POT, RW-5514, NO. 2 DEBUTANIZER ACCUMULATOR, HEIGHT: 3 FT ; DIAMETER: 1 FT 11 IN A/N: 499006 Permit to Construct Issued: 03/25/10	D2897			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.12
KNOCK OUT POT, RW-6336, DIB FEED SURGE DRUM, HEIGHT: 2 FT ; DIAMETER: 1 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D2898				

- * (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 4: FRACTIONATION					
KNOCK OUT POT, RPV-4342, HEIGHT: 3 FT 6 IN; DIAMETER: 1 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D2628			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.12
TOWER, DEHEXANIZER, RPV 5665, NO.1 STRAIGHT RUN NAPHTHA, HEIGHT: 144 FT 11 IN; DIAMETER: 13 FT 3 IN A/N: 499006 Permit to Construct Issued: 03/25/10	D1364				
ACCUMULATOR, RPV 5666, NO.1 DEHEXANIZER OVERHEAD, LENGTH: 30 FT ; DIAMETER: 9 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D1365				
KNOCK OUT POT, RPV 5667, NO.1 DEHEXANIZER REBOILER CONDENSATE, LENGTH: 3 FT ; DIAMETER: 2 FT 6 IN A/N: 499006 Permit to Construct Issued: 03/25/10	D1366				
TOWER, DEHEXANIZER, RPV 5678, NO.2, STRAIGHT RUN NAPHTHA, HEIGHT: 144 FT 11 IN; DIAMETER: 13 FT 3 IN A/N: 499006 Permit to Construct Issued: 03/25/10	D1367				
ACCUMULATOR, RPV 5679, NO.2 DEHEXANIZER OVERHEAD, LENGTH: 30 FT ; DIAMETER: 9 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D1368				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 4: FRACTIONATION					
KNOCK OUT POT, RPV 5680, NO.2 DEHEXANIZER REBOILER CONDENSATE, LENGTH: 3 FT ; DIAMETER: 2 FT 6 IN A/N: 499006 Permit to Construct Issued: 03/25/10	D1369				
KNOCK OUT POT, RPV 5708, NO.1 NAPHTHA SPLITTER REBOILER CONDENSATE, LENGTH: 3 FT ; DIAMETER: 2 FT 5 IN A/N: 499006 Permit to Construct Issued: 03/25/10	D1372				
KNOCK OUT POT, RPV 5712, NO.2 DEBUTANIZER REBOILER CONDENSATE, LENGTH: 1 FT 9 IN; DIAMETER: 1 FT 6 IN A/N: 499006 Permit to Construct Issued: 03/25/10	D1373				
TANK, FLASH, NO.1 DEHEXANIZER REBOILER, RPV 5713, LENGTH: 16 FT 6 IN; DIAMETER: 6 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D1374				
TANK, FLASH, NO.2 DEHEXANIZER REBOILER, RPV 5714, LENGTH: 16 FT 6 IN; DIAMETER: 6 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D1375				
TANK, FLASH, DEHEXANIZER , RPV 5715, LENGTH: 21 FT ; DIAMETER: 6 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D1376				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 4: FRACTIONATION					
KNOCK OUT POT, NO.2 DEHEXANIZER REBOILER CONDENSATE, RPV5716, LENGTH: 3 FT ; DIAMETER: 2 FT 6 IN A/N: 499006 Permit to Construct Issued: 03/25/10	D1377				
KNOCK OUT POT, NO.1 DEHEXANIZER REBOILER CONDENSATE, RPV 5717, LENGTH: 3 FT ; DIAMETER: 2 FT 6 IN A/N: 499006 Permit to Construct Issued: 03/25/10	D1378				
TANK, FLASH, RPV 5718, 150 LB STEAM, LENGTH: 13 FT ; DIAMETER: 5 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D1379				
TANK, FLASH, RPV 5719, NAPHTHA SPLITTER REBOILER CONDENSATE, LENGTH: 3 FT ; DIAMETER: 2 FT 6 IN A/N: 499006 Permit to Construct Issued: 03/25/10	D1380				
TANK, FLASH, RPV 5733, 25 LB STEAM, LENGTH: 19 FT 6 IN; DIAMETER: 6 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D1381				
VESSEL, SEPARATOR, RPV 5734, HC CONDENSATE, LENGTH: 6 FT ; DIAMETER: 6 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D1382				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 4: FRACTIONATION					
VESSEL, SEPARATOR, RW-6191, COALESCING OIL, HEIGHT: 5 FT ; DIAMETER: 5 FT 3 IN A/N: 499006 Permit to Construct Issued: 03/25/10	D2899				
VESSEL, SEPARATOR, RW-6192, BULK OIL, HEIGHT: 10 FT ; DIAMETER: 6 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D2900				
KNOCK OUT POT, RPV 5735, COKER GAS FRACTIONATION DEHEXANIZER REBOILER CONDENSATE, LENGTH: 2 FT ; DIAMETER: 1 FT 6 IN A/N: 499006 Permit to Construct Issued: 03/25/10	D1383				
KNOCK OUT POT, RPV 5736, COKER GAS FRACTIONATION SWING REBOILER CONDENSATE, LENGTH: 2 FT ; DIAMETER: 1 FT 6 IN A/N: 499006 Permit to Construct Issued: 03/25/10	D1384				
KNOCK OUT POT, DEHEXANIZER FLARE, RPV 5780, LENGTH: 10 FT ; DIAMETER: 5 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D1385			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.12
SCRUBBER, RPV 1293, SFIA FUEL GAS, HEIGHT: 30 FT ; DIAMETER: 3 FT 4 IN A/N: 499006 Permit to Construct Issued: 03/25/10	D287				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 4: FRACTIONATION					
VESSEL, EAST VAPOR RECOVERY BLOWCASE, RW-713, HEIGHT: 4 FT 4 IN; DIAMETER: 2 FT A/N: 499006 Permit to Construct Issued: 03/25/10	D2901				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 499006 Permit to Construct Issued: 03/25/10	D2476			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.3
System 2: NAPHTHA SPLITTER UNIT					S13.2, S46.1, S46.2, S56.1
TANK, SURGE, RPV 1241, NAPHTHA SPLITTER FEED, HEIGHT: 26 FT 6 IN; DIAMETER: 7 FT 6 IN A/N: 501926 Permit to Construct Issued: 03/25/10	D290				
ACCUMULATOR, RPV 1238, NO.2 NAPHTHA SPLITTER OVERHEAD, HEIGHT: 20 FT ; DIAMETER: 7 FT 6 IN A/N: 501926 Permit to Construct Issued: 03/25/10	D291				
TOWER, RPV 1234, NO. 2, NAPHTHA SPLITTER, HEIGHT: 72 FT 8 IN; DIAMETER: 10 FT A/N: 501926 Permit to Construct Issued: 03/25/10	D1400				
KNOCK OUT POT, RPV 5517, NO. 2 NAPHTHA SPLITTER FEED SURGE WATER, HEIGHT: 2 FT 8 IN; DIAMETER: 1 FT 2 IN A/N: 501926 Permit to Construct Issued: 03/25/10	D1401				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 4: FRACTIONATION					
KNOCK OUT POT, RPV 5516, NO. 2 NAPHTHA SPLITTER OVERHEAD ACCUMULATOR WATER, LENGTH: 2 FT 11 IN; DIAMETER: 1 FT 2 IN A/N: 501926 Permit to Construct Issued: 03/25/10	D1402			VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.12
KNOCK OUT POT, RPV 5719, NO. 2 NAPHTHA SPLITTER REBOILER CONDENSATE WATER, LENGTH: 3 FT ; DIAMETER: 2 FT 6 IN A/N: 501926 Permit to Construct Issued: 03/25/10	D1403				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 501926 Permit to Construct Issued: 03/25/10	D2474			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.3
System 7: COKER GASOLINE FRACTIONATION UNIT					S13.2, S56.1
VESSEL, RECEIVER, RPV 1403, LOW PRESSURE GAS, HEIGHT: 20 FT ; DIAMETER: 8 FT A/N: 429507 Permit to Construct Issued: 09/28/07	D1974				
TOWER, RPV 1618, DEHEXANIZER, HEIGHT: 96 FT 4 IN; DIAMETER: 9 FT A/N: 429507 Permit to Construct Issued: 09/28/07	D1975				
ACCUMULATOR, RPV 1620, DEHEXANIZER OVERHEAD A/N: 429507 Permit to Construct Issued: 09/28/07	D1976				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 4: FRACTIONATION					
TOWER, RPV 1626, SWING, HEIGHT: 79 FT 4 IN; DIAMETER: 9 FT A/N: 429507 Permit to Construct Issued: 09/28/07	D1977				
ACCUMULATOR, RPV 1627, SWING OVERHEAD, HEIGHT: 20 FT ; DIAMETER: 6 FT A/N: 429507 Permit to Construct Issued: 09/28/07	D1978			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.12
TOWER, RPV 1638, DEBUTANIZER, HEIGHT: 76 FT 2 IN; DIAMETER: 7 FT A/N: 429507 Permit to Construct Issued: 09/28/07	D1979				
ACCUMULATOR, RPV 1639, DEBUTANIZER OVERHEAD, HEIGHT: 16 FT ; DIAMETER: 6 FT A/N: 429507 Permit to Construct Issued: 09/28/07	D1980				
DRUM, RPV 1642, DEHEXANIZER FEED, HEIGHT: 31 FT 6 IN; DIAMETER: 9 FT A/N: 429507 Permit to Construct Issued: 09/28/07	D1981				
DRUM, RPV 1672, FUEL GAS MIXING, HEIGHT: 10 FT ; DIAMETER: 6 FT A/N: 429507 Permit to Construct Issued: 09/28/07	D1984				
STORAGE TANK, RPV 3230, AMMONIA, HEIGHT: 35 FT 9 IN; DIAMETER: 8 FT A/N: 429507 Permit to Construct Issued: 09/28/07	D1986				

- * (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 4: FRACTIONATION					
ACCUMULATOR, RPV 1619, HEIGHT: 20 FT ; DIAMETER: 6 FT A/N: 429507 Permit to Construct Issued: 09/28/07	D2838			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.12
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 429507 Permit to Construct Issued: 09/28/07	D2481			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.3
Process 5: HYDROTREATING					
System 3: FLUID FEED HDS UNIT					S13.2, S15.6, S31.9, S46.1, S46.2, S56.1
ACCUMULATOR, RPV 4018, STRIPPER OVERHEAD, HEIGHT: 16 FT ; DIAMETER: 7 FT 6 IN A/N: 460574 Permit to Construct Issued: 04/03/07	D354			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	E193.18, H23.12
KNOCK OUT POT, RPV 4019, STRIPPER RELEASE MDEA, HEIGHT: 8 FT ; DIAMETER: 5 FT A/N: 460574 Permit to Construct Issued: 04/03/07	D355				
REACTOR, HDS, RPV 4400, HEIGHT: 60 FT ; DIAMETER: 16 FT A/N: 460574 Permit to Construct Issued: 04/03/07	D357				E193.18
DRUM, FLASH, RW-6939-289.02, SOUR WATER, HEIGHT: 20 FT ; DIAMETER: 7 FT A/N: 460574 Permit to Construct Issued: 04/03/07	D2844				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 5: HYDROTREATING					
REACTOR, HDS, RPV 4401, HEIGHT: 60 FT ; DIAMETER: 16 FT A/N: 460574 Permit to Construct Issued: 04/03/07	D2774				E193.18
VESSEL, MDEA CONTACTOR, RPV 4406, RECYCLE GAS, HEIGHT: 19 FT 8 IN; DIAMETER: 7 FT 6 IN A/N: 460574 Permit to Construct Issued: 04/03/07	D359				
VESSEL, MDEA CONTACTOR, RPV 4407, STRIPPER RELEASE, HEIGHT: 49 FT ; DIAMETER: 4 FT 6 IN A/N: 460574 Permit to Construct Issued: 04/03/07	D360				
FILTER, RPV 4471, FEED, BANK 1, 70 R-P ACCUFLUX-8 ELEMENTS, HEIGHT: 3 FT ; DIAMETER: 4 IN A/N: 460574 Permit to Construct Issued: 04/03/07	D372				
FILTER, RPV 4472, FEED, BANK 2, 70 R-P ACCUFLUX-8 ELEMENTS, HEIGHT: 3 FT ; DIAMETER: 4 IN A/N: 460574 Permit to Construct Issued: 04/03/07	D373				E193.18
FILTER, RPV 4473, FEED, BANK 3, 70 R-P ACCUFLUX-8 ELEMENTS, HEIGHT: 3 FT ; DIAMETER: 4 IN A/N: 460574 Permit to Construct Issued: 04/03/07	D374				E193.18
FILTER, RPV 4474, FEED, BANK 4, 70 R-P ACCUFLUX-8 ELEMENTS, HEIGHT: 3 FT ; DIAMETER: 4 IN A/N: 460574 Permit to Construct Issued: 04/03/07	D375				E193.18

- * (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 5: HYDROTREATING					
FILTER, RPV 4475, FEED, BANK 5, 70 R-P ACCUFLUX-8 ELEMENTS, HEIGHT: 3 FT ; DIAMETER: 4 IN A/N: 460574 Permit to Construct Issued: 04/03/07	D376				E193.18
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 460574 Permit to Construct Issued: 04/03/07	D2484			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.3
System 4: No. 1 LIGHT HYDROTREATING UNIT					S11.1, S13.2, S15.6, S31.1, S56.1
TANK, SURGE, RPV 0207, LENGTH: 30 FT ; DIAMETER: 10 FT A/N: 433306 Permit to Construct Issued: 07/21/09	D401				
POT, RPV 3010, STABILIZER REBOILER CONDENSATE, HEIGHT: 2 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 433306 Permit to Construct Issued: 07/21/09	D402				
REACTOR, RPV 3000, NO.1, HEIGHT: 7 FT 9 IN; DIAMETER: 5 FT 6 IN A/N: 433306 Permit to Construct Issued: 07/21/09	D403				
REACTOR, RPV 3001, NO.2, HEIGHT: 7 FT 9 IN; DIAMETER: 5 FT 6 IN A/N: 433306 Permit to Construct Issued: 07/21/09	D404				
REACTOR, RPV 3002, NO.3, HEIGHT: 9 FT 9 IN; DIAMETER: 5 FT 6 IN A/N: 433306 Permit to Construct Issued: 07/21/09	D405				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 5: HYDROTREATING					
TANK, FLASH, RPV 3007, EFFLUENT, LENGTH: 15 FT ; DIAMETER: 5 FT A/N: 433306 Permit to Construct Issued: 07/21/09	D406			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.12
COLUMN, STABILIZER, RPV 3012, HEIGHT: 49 FT ; DIAMETER: 6 FT 6 IN A/N: 433306 Permit to Construct Issued: 07/21/09	D407				
ACCUMULATOR, RPV 3013, STABILIZER OVERHEAD, HEIGHT: 23 FT 7 IN; DIAMETER: 4 FT A/N: 433306 Permit to Construct Issued: 07/21/09	D408			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.12
ABSORBER, RPV 3020, HEIGHT: 61 FT 9 IN; DIAMETER: 3 FT A/N: 433306 Permit to Construct Issued: 07/21/09	D411				
VESSEL, MDEA CONTACTOR, RPV 3026, HEIGHT: 37 FT ; DIAMETER: 2 FT 6 IN A/N: 433306 Permit to Construct Issued: 07/21/09	D412				
KNOCK OUT POT, RPV 3022, HYDROGEN RELEASE MDEA, HEIGHT: 6 FT ; DIAMETER: 2 FT A/N: 433306 Permit to Construct Issued: 07/21/09	D413				
REACTOR, RPV 3027, NO.4, HEIGHT: 14 FT 9 IN; DIAMETER: 5 FT 6 IN A/N: 433306 Permit to Construct Issued: 07/21/09	D414				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 5: HYDROTREATING					
COMPRESSOR, RW 0001 08731, STABILIZER OVERHEAD VAPOR, 3050 MSCFD CAPACITY, WITH METALLIC PACKING A/N: 433306 Permit to Construct Issued: 07/21/09	D415				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 433306 Permit to Construct Issued: 07/21/09	D2485			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.3
EJECTOR, STEAM, RW004-154.1, SERVING FLASH DRUM RVP3007 A/N: 433306 Permit to Construct Issued: 07/21/09	D2648				E193.4
System 6: HYDROTREATING UNIT HEATERS					

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 6: CATALYTIC REFORMING					
COLUMN, NO 3 REFORMER FRACTIONATOR DEISOPENTANIZER, RPV 2845, HEIGHT: 93 FT 6 IN; DIAMETER: 8 FT A/N: 395834 † Permit to Construct Issued: 07/11/01	D509				
Process 7: HYDROGEN PRODUCTION					
System 2: HYDROGEN PRODUCTION NO.2 PLANT(KTI SYSTEM)					S2.1, S13.2, S13.4, S46.1, S46.2, S56.1
COMPRESSOR, RW 0052, FEED GAS, MECHANICAL SEAL, OIL FILLED,W/BUFFER GAS A/N: 497869 Permit to Construct Issued: 03/25/10	D1443				
TANK, SURGE, RW 6123, PENTANE, LENGTH: 14 FT ; DIAMETER: 4 FT A/N: 497869 Permit to Construct Issued: 03/25/10	D1444				
REACTOR, COMO, RW 6158, LENGTH: 14 FT ; DIAMETER: 5 FT A/N: 497869 Permit to Construct Issued: 03/25/10	D1446				
REACTOR, CHLORIDE/SULFUR GUARD, RW 6159, LENGTH: 28 FT ; DIAMETER: 8 FT A/N: 497869 Permit to Construct Issued: 03/25/10	D1447				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 7: HYDROGEN PRODUCTION					
REACTOR, CHLORIDE/SULFUR GUARD, RW 6160, LENGTH: 28 FT ; DIAMETER: 8 FT A/N: 497869 Permit to Construct Issued: 03/25/10	D1448				
REACTOR, HIGH TEMPERATURE SHIFT, RW 6161, LENGTH: 14 FT ; DIAMETER: 9 FT A/N: 497869 Permit to Construct Issued: 03/25/10	D1449				
KNOCK OUT POT, RW 6114, HOT CONDENSATE, LENGTH: 9 FT 6 IN; DIAMETER: 5 FT A/N: 497869 Permit to Construct Issued: 03/25/10	D1450				
KNOCK OUT POT, RW 6115, COLD CONDENSATE, LENGTH: 12 FT ; DIAMETER: 4 FT A/N: 497869 Permit to Construct Issued: 03/25/10	D1451				
VESSEL, DEAERATOR, RW 7109 289.02, VERTICAL SECTION, HEIGHT: 21 FT ; DIAMETER: 7 FT A/N: 497869 Permit to Construct Issued: 03/25/10	D2892				
VESSEL, DEAERATOR, RW 6227, HORIZONTAL SECTION, LENGTH: 22 FT ; DIAMETER: 9 FT A/N: 497869 Permit to Construct Issued: 03/25/10	D2893				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 7: HYDROGEN PRODUCTION					
VESSEL, RW 6122, DEAERATOR, PROCESS CONDENSATE, LENGTH: 7 FT 4 IN; DIAMETER: 8 FT A/N: 497869 Permit to Construct Issued: 03/25/10	D1452				
DRUM, RW 6119, FLARE CONDENSATE, LENGTH: 9 FT ; DIAMETER: 3 FT 6 IN A/N: 497869 Permit to Construct Issued: 03/25/10	D1453				
ADSORBER, PRESSURE SWING, RW 6145, HEIGHT: 21 FT ; DIAMETER: 8 FT 6 IN A/N: 497869 Permit to Construct Issued: 03/25/10	D1455				
ADSORBER, PRESSURE SWING, RW 6146, HEIGHT: 21 FT ; DIAMETER: 8 FT 6 IN A/N: 497869 Permit to Construct Issued: 03/25/10	D1456				
ADSORBER, PRESSURE SWING, RW 6147, HEIGHT: 21 FT ; DIAMETER: 8 FT 6 IN A/N: 497869 Permit to Construct Issued: 03/25/10	D1457				
ADSORBER, PRESSURE SWING, RW 6148, HEIGHT: 21 FT ; DIAMETER: 8 FT 6 IN A/N: 497869 Permit to Construct Issued: 03/25/10	D1458				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 7: HYDROGEN PRODUCTION					
ADSORBER, PRESSURE SWING, RW 6149, HEIGHT: 21 FT ; DIAMETER: 8 FT 6 IN A/N: 497869 Permit to Construct Issued: 03/25/10	D1459				
ADSORBER, PRESSURE SWING, RW 6150, HEIGHT: 21 FT ; DIAMETER: 8 FT 6 IN A/N: 497869 Permit to Construct Issued: 03/25/10	D1460				
ADSORBER, PRESSURE SWING, RW 6151, HEIGHT: 21 FT ; DIAMETER: 8 FT 6 IN A/N: 497869 Permit to Construct Issued: 03/25/10	D1461				
ADSORBER, PRESSURE SWING, RW 6152, HEIGHT: 21 FT ; DIAMETER: 8 FT 6 IN A/N: 497869 Permit to Construct Issued: 03/25/10	D1462				
DRUM, RW 6118, PSA TAIL GAS, LENGTH: 80 FT ; DIAMETER: 12 FT A/N: 497869 Permit to Construct Issued: 03/25/10	D1463				
FILTER, RW 6153, FUEL GAS, BASKET TYPE A/N: 497869 Permit to Construct Issued: 03/25/10	D1464				
FILTER, RW 6245, PRODUCT HYDROGEN, BASKET TYPE A/N: 497869 Permit to Construct Issued: 03/25/10	D2049				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 7: HYDROGEN PRODUCTION					
DRUM, SILENCER, RW 0006, PSA PURGE GAS, LENGTH: 5 FT ; DIAMETER: 5 FT 6 IN A/N: 497869 Permit to Construct Issued: 03/25/10	D2055				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 497869 Permit to Construct Issued: 03/25/10	D2493			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.3
System 4: SELECTIVE CATALYTIC CONTROL SYSTEM					
SELECTIVE CATALYTIC REDUCTION, USING HALDOR TOPSOE FIBRE-REINFORCED CORRUGATED CATALYST, 1380 CU.FT.; WIDTH: 7 FT ; HEIGHT: 11 FT ; LENGTH: 57 FT A/N: 422615 Permit to Construct Issued: 02/17/04	C571	D570 S573 S574 S575			D29.9
AMMONIA INJECTION A/N: 422615 Permit to Construct Issued: 02/17/04	D572				
Process 8: HYDROCRACKING					
System 1: HYDROCRACKER UNIT(REACTION SECTION)					S13.2, S31.9, S46.1, S46.2, S56.1
REACTOR, FIRST STAGE, RPV 3500, R-1 A/N: 501042 Permit to Construct Issued: 05/28/10	D576				E193.18
REACTOR, FIRST STAGE, RPV 3501, R-2 A/N: 501042 Permit to Construct Issued: 05/28/10	D577				E193.18

- * (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 8: HYDROCRACKING					
REACTOR, FIRST STAGE, RPV 3502, R-3 A/N: 501042 Permit to Construct Issued: 05/28/10	D578				
REACTOR, SECOND STAGE, RPV 3503, R-4 A/N: 501042 Permit to Construct Issued: 05/28/10	D579				
VESSEL, SEPARATOR, HIGH PRESSURE, RPV 3511 A/N: 501042 Permit to Construct Issued: 05/28/10	D581				
VESSEL, COALESCER, RPV 3512, HPS WATER COALESCER, INTERNALS REPLACEMENT A/N: 501042 Permit to Construct Issued: 05/28/10	D582				
VESSEL, SEPARATOR, LOW PRESSURE, RPV 3513, HEIGHT: 44 FT ; DIAMETER: 10 FT A/N: 501042 Permit to Construct Issued: 05/28/10	D583				
TANK, SURGE, RPV-5631, FEED, HEIGHT: 40 FT ; DIAMETER: 10 FT A/N: 501042 Permit to Construct Issued: 05/28/10	D584				
KNOCK OUT POT, EAST FUEL GAS, RPV 3211, HEIGHT: 7 FT 9 IN; DIAMETER: 5 FT A/N: 501042 Permit to Construct Issued: 05/28/10	D593				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 8: HYDROCRACKING					
KNOCK OUT POT, SEPARATOR, EAST, INSTRUMENT AIR, RPV 3636, HEIGHT: 1 FT 8 IN; DIAMETER: 1 FT 2 IN A/N: 501042 Permit to Construct Issued: 05/28/10	D594				
TANK, FLASH, RPV 5649, SOUR WATER, HEIGHT: 5 FT 9 IN; DIAMETER: 2 FT 6 IN A/N: 501042 Permit to Construct Issued: 05/28/10	D595				
FILTER, RPV 5752, FRACTIONATOR/JET FUEL, HEIGHT: 12 FT ; DIAMETER: 24 FT A/N: 501042 Permit to Construct Issued: 05/28/10	D596				
FILTER, REACTOR HEATER FUEL GAS, RPV-5753, HEIGHT: 10 FT ; DIAMETER: 2 FT A/N: 501042 Permit to Construct Issued: 05/28/10	D597				
DRUM, KNOCK OUT, MAKE UP COMPRESSOR, WITH NITROGEN BLANKET, HEIGHT: 6 FT ; DIAMETER: 1 FT A/N: 501042 Permit to Construct Issued: 05/28/10	D598				
TANK, SURGE, NO. 913, RECYCLE SURGE, 3750 BBL; DIAMETER: 30 FT ; HEIGHT: 30 FT A/N: 501042 Permit to Construct Issued: 05/28/10	D599			HAP: (10) [40CFR 63 Subpart CC, #2, 6-23-2003]	

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 8: HYDROCRACKING					
TANK, NORTH MAKE UP COMPRESSOR OIL RESERVOIR, WITH NITROGEN BLANKET, 60 GALS; DIAMETER: 1 FT 8 IN; HEIGHT: 4 FT A/N: 501042 Permit to Construct Issued: 05/28/10	D600				
TANK, SOUTH MAKE UP COMPRESSOR RESEVOIR, WITH NITROGEN BLANKET, 600 GALS; DIAMETER: 2 FT 6 IN; HEIGHT: 16 FT A/N: 501042 Permit to Construct Issued: 05/28/10	D601				
COMPRESSOR, RW 10 087.6 RECYCLE GAS, CENTRIFUGAL, CLARK MODEL 2 BA, HIGH EFFICIENCY ROTOR A/N: 501042 Permit to Construct Issued: 05/28/10	D602				
COMPRESSOR, RW 20 087.32, NO. 1, MAKE-UP GAS, RECIPROCATING TYPE, WORTHINGTON 4 STAGE NO. L-81794 B, MODEL BDO-4 A/N: 501042 Permit to Construct Issued: 05/28/10	D603				
COMPRESSOR, RW 21 087.32, NO. 2, MAKE-UP GAS, RECIPROCATING TYPE, WORTHINGTON 4 STAGE NO. L-81794 B, MODEL BDO-4 A/N: 501042 Permit to Construct Issued: 05/28/10	D604				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 8: HYDROCRACKING					
VESSEL, COALESCER, RPV 5525, SOUTH FEED COALESCER, HEIGHT: 9 FT 6 IN; DIAMETER: 3 FT 6 IN A/N: 501042 Permit to Construct Issued: 05/28/10	D1470				
VESSEL, COALESCER, RPV 5526, NORTH FEED COALESCER, HEIGHT: 9 FT 6 IN; DIAMETER: 3 FT 6 IN A/N: 501042 Permit to Construct Issued: 05/28/10	D1471				
FILTER, RPV 5527, NORTH FEED, HEIGHT: 5 FT 11 IN; DIAMETER: 4 FT 6 IN A/N: 501042 Permit to Construct Issued: 05/28/10	D2903				
FILTER, RPV 5528, SOUTH FEED, HEIGHT: 5 FT 11 IN; DIAMETER: 4 FT 6 IN A/N: 501042 Permit to Construct Issued: 05/28/10	D2904				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 501042 Permit to Construct Issued: 05/28/10	D2494			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.3
System 2: HYDROCRACKER UNIT(FRACTIONATION SECTION)					S13.2, S15.6, S31.9, S46.1, S46.2, S56.1
COLUMN, STRIPPER, RPV 3600, HEAVY HYDROCRACKATE, HEIGHT: 60 FT 6 IN; DIAMETER: 6 FT A/N: 433307 Permit to Construct Issued: 07/21/09	D607				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 8: HYDROCRACKING					
COLUMN, FRACTIONATOR, RPV 3601, HEIGHT: 136 FT ; DIAMETER: 13 FT A/N: 433307 Permit to Construct Issued: 07/21/09	D608	D706			E193.18
COLUMN, DEBUTANIZER TOWER, RPV 3603, HEIGHT: 91 FT ; DIAMETER: 6 FT A/N: 433307 Permit to Construct Issued: 07/21/09	D610				E193.18
COLUMN, TREATER, RPV 3604, LIQUID AMINE, HEIGHT: 27 FT ; DIAMETER: 7 FT A/N: 433307 Permit to Construct Issued: 07/21/09	D611				
SCRUBBER, RPV 3605, HEIGHT: 52 FT ; DIAMETER: 3 FT A/N: 433307 Permit to Construct Issued: 07/21/09	D612				E193.18
SCRUBBER, RPV 3606, AMINE, HEIGHT: 66 FT 6 IN; DIAMETER: 3 FT A/N: 433307 Permit to Construct Issued: 07/21/09	D613				E193.18
ACCUMULATOR, RPV 3610, DEBUTANIZER OVERHEAD, LENGTH: 22 FT ; DIAMETER: 6 FT A/N: 433307 Permit to Construct Issued: 07/21/09	D614				
ACCUMULATOR, RPV 3611, FRACTIONATOR OVERHEAD, LENGTH: 21 FT ; DIAMETER: 7 FT A/N: 433307 Permit to Construct Issued: 07/21/09	D615				

- * (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 8: HYDROCRACKING					
ACCUMULATOR, RPV 3612, FRACTIONATOR HOT REFLUX, LENGTH: 32 FT ; DIAMETER: 8 FT A/N: 433307 Permit to Construct Issued: 07/21/09	D616				
SETTLING TANK, RPV 3614, AMINE, LENGTH: 24 FT ; DIAMETER: 6 FT 6 IN A/N: 433307 Permit to Construct Issued: 07/21/09	D617				
KNOCK OUT POT, RPV 3617, OVERHEAD GAS, HEIGHT: 10 FT 6 IN; DIAMETER: 3 FT A/N: 433307 Permit to Construct Issued: 07/21/09	D619				
COMPRESSOR, RW 22 087.32, NO. 3, FRACTIONATOR OVERHEAD GAS, UNIT L-83247 A/N: 433307 Permit to Construct Issued: 07/21/09	D622				
COMPRESSOR, RW 23 087.32, NO. 2, FRACTIONATOR OVERHEAD GAS, UNIT L-83248 A/N: 433307 Permit to Construct Issued: 07/21/09	D623				
COMPRESSOR, RW 24 087.32 NO. 1, FRACTIONATOR OVERHEAD GAS, UNIT L-83249 A/N: 433307 Permit to Construct Issued: 07/21/09	D624				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 8: HYDROCRACKING					
TOWER, STRIPPER, RPV 6233, DISTILLATE HYDROCRACKATE, HEIGHT: 52 FT 9 IN; DIAMETER: 7 FT A/N: 433307 Permit to Construct Issued: 07/21/09	D2070				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 433307 Permit to Construct Issued: 07/21/09	D2495			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.3
System 3: HYDROCRACKING UNIT HEATERS					
HEATER, NO. R4, REFINERY GAS, JOHN ZINK, MODEL COOLSTAR-313, WITH THREE (3) ULTRA LOW NOX BURNERS, 39 MMBTU/HR WITH A/N: 479198 Permit to Construct Issued: 01/15/09 BURNER, THREE (3) BURNERS, REFINERY GAS, WITH ULTRA LOW NOX BURNER, 39 MMBTU/HR	D626		NOX: LARGE SOURCE**, SOX: MAJOR SOURCE**	CO: 400 PPMV (5A) [RULE 1146, 11-17-2000; RULE 1146, 9-5-2008]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 36 PPMV REFINERY GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B61.4, C1.60, D12.7, D29.12, D90.4, D328.1, H23.32
Process 9: ALKYLATION AND POLYMERIZATION					
System 1: C4 ALKYLATION UNIT					S13.2, S15.31, S31.1, S46.1, S46.2, S56.1

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 9: ALKYLATION AND POLYMERIZATION					
TANK, SETTLING,RPV-5299, ACID, HEIGHT: 70 FT ; DIAMETER: 15 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D1479				
TANK, SETTLING, RPV-5300, ACID, HEIGHT: 70 FT ; DIAMETER: 15 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D1480				
TANK, SETTLING, RPV-5301, ACID, HEIGHT: 70 FT ; DIAMETER: 15 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D1481				
DRUM, SUCTION TRAP/FLASH, RPV 5303, HEIGHT: 56 FT ; DIAMETER: 16 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D1482				
ACCUMULATOR, RPV-5313, REFRIGERANT, HEIGHT: 16 FT 6 IN; DIAMETER: 5 FT 6 IN A/N: 438620 Permit to Construct Issued: 07/21/09	D1483				
VESSEL, SEPARATOR, REFRIGERANT, RPV-5308,, HEIGHT: 22 FT ; DIAMETER: 9 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D1484				
VESSEL, COALESCER, RPV-5290, FEED, HEIGHT: 4 FT 4 IN; DIAMETER: 4 FT 6 IN A/N: 438620 Permit to Construct Issued: 07/21/09	D1485				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 9: ALKYLATION AND POLYMERIZATION					
TANK, WASH, RPV-5316, ACID, HEIGHT: 53 FT ; DIAMETER: 16 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D1486				
TANK, WASH, RPV-5317, ALKALINE WATER, LENGTH: 45 FT ; DIAMETER: 15 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D1487				
VESSEL, ECONOMIZER, RPV 5310, HEIGHT: 30 FT ; DIAMETER: 10 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D1488				
ACCUMULATOR, RPV-5325, DEISOBUTANIZER OVERHEAD, LENGTH: 42 FT ; DIAMETER: 14 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D1489				
TANK, WASH, RPV-5314, ALKY, DEPROPANIZER CAUSTIC, LENGTH: 10 FT ; DIAMETER: 2 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D1490				
VESSEL, COALESCER, RPV-5315, DEPROPANIZER FEED, LENGTH: 10 FT ; DIAMETER: 2 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D1491				
DRUM, K.O., RPV-5340, ACID, HEIGHT: 3 FT ; DIAMETER: 2 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D1492				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 9: ALKYLATION AND POLYMERIZATION					
STORAGE TANK, FIXED ROOF, RPV-5380,, FRESH ACID, LENGTH: 50 FT ; DIAMETER: 13 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D1493				
STORAGE TANK, FIXED ROOF, RPV-5381, FRESH ACID, LENGTH: 50 FT ; DIAMETER: 13 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D1494				
TOWER, DEISOBUTANIZER, RPV 5318, HEIGHT: 162 FT 6 IN; DIAMETER: 12 FT 6 IN A/N: 438620 Permit to Construct Issued: 07/21/09	D1495				
REACTOR, CONTACTOR STRATCO, RPV 5291, WITH A 500 H.P. AGITATOR A/N: 438620 Permit to Construct Issued: 07/21/09	D1496				
REACTOR, CONTACTOR STRATCO, RPV 5292, WITH A 500 H.P. AGITATOR A/N: 438620 Permit to Construct Issued: 07/21/09	D1497				
REACTOR, CONTACTOR STRATCO, RPV 5293, WITH A 500 H.P. AGITATOR A/N: 438620 Permit to Construct Issued: 07/21/09	D1498				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 9: ALKYLATION AND POLYMERIZATION					
REACTOR, CONTACTOR STRATCO, RPV 5294, WITH A 500 H.P. AGITATOR A/N: 438620 Permit to Construct Issued: 07/21/09	D1499				
REACTOR, CONTACTOR STRATCO, RPV 5295, WITH A 500 H.P. AGITATOR A/N: 438620 Permit to Construct Issued: 07/21/09	D1500				
REACTOR, CONTACTOR STRATCO, RPV 5296, WITH A 500 H.P. AGITATOR A/N: 438620 Permit to Construct Issued: 07/21/09	D1501				
COMPRESSOR, RW 47 087.05, REFRIGERATION (EFFLUENT), CENTRIFUGAL MULTI-STAGE A/N: 438620 Permit to Construct Issued: 07/21/09	D1502				
VESSEL, COALESCER, MEROX SAND FILTER, RPV 5285 A/N: 438620 Permit to Construct Issued: 07/21/09	D1520				
TOWER, RW 5965, C5 SIDESTRIPPER FOR DEBUTANIZER, HEIGHT: 32 FT ; DIAMETER: 4 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D1522				
TOWER, ALKY DEP, RPV 842, HEIGHT: 76 FT ; DIAMETER: 4 FT 6 IN A/N: 438620 Permit to Construct Issued: 07/21/09	D631				

- * (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 9: ALKYLATION AND POLYMERIZATION					
TOWER, ALKY DEB, RPV-843, NO. 1A, HEIGHT: 109 FT 6 IN; DIAMETER: 8 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D632				
COLUMN, DEISOBUTANIZER, RPV 875, NO.1B, HEIGHT: 120 FT ; DIAMETER: 5 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D634				
TANK, SURGE, RPV 0211, NAPHTHA, HEIGHT: 8 FT ; DIAMETER: 3 FT 5 IN A/N: 438620 Permit to Construct Issued: 07/21/09	D635				
TOWER, COKER DEPROP, RPV 951, HEIGHT: 75 FT 8 IN; DIAMETER: 4 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D638				
TANK, EMERGENCY ALKYLATION, RPV 830, HEIGHT: 33 FT ; DIAMETER: 10 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D639				
TANK, EMERGENCY ALKYLATION, RPV 831, HEIGHT: 32 FT ; DIAMETER: 10 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D640				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 9: ALKYLATION AND POLYMERIZATION					
TANK, EMERGENCY ALKYLATION, RPV 832, HEIGHT: 32 FT ; DIAMETER: 10 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D641				
TANK, EMERGENCY ALKYLATION, RPV 834, HEIGHT: 36 FT ; DIAMETER: 8 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D642				
TANK, EMERGENCY ALKYLATION , RPV 835, HEIGHT: 36 FT 6 IN; DIAMETER: 8 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D643				
TANK, EMERGENCY ALKYLATION , RPV 836, HEIGHT: 32 FT ; DIAMETER: 8 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D644				
TANK, EMERGENCY ALKYLATION , RPV 837, HEIGHT: 32 FT ; DIAMETER: 8 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D645				
ACCUMULATOR, RPV 847, NO. 1A, ALKYLATION DEBUT OVERHEAD, LENGTH: 20 FT ; DIAMETER: 5 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D646				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 9: ALKYLATION AND POLYMERIZATION					
DRUM, SPENT CAUSTIC DEGASSING , RPV 859, LENGTH: 20 FT ; DIAMETER: 5 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D647				
DRUM, DEGASSING, RPV 0884, PROCESS WASTE WATER, HEIGHT: 20 FT 6 IN; DIAMETER: 4 FT 11 IN A/N: 438620 Permit to Construct Issued: 07/21/09	D648				
DRUM, ACID BLOWDOWN NEUTRALIZING, RPV 972, HEIGHT: 10 FT ; DIAMETER: 8 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D649				
TANK, SURGE, RPV 890, ISOBUTANE FEED, HEIGHT: 40 FT ; DIAMETER: 12 FT 11 IN A/N: 438620 Permit to Construct Issued: 07/21/09	D650				
DRUM, ACID RELIEF BLOWDOWN, RPV 892, LENGTH: 40 FT ; DIAMETER: 13 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D651				
DRUM, DEGASSING, RPV-985, MEROX WATER WASH TOWER WATER, LENGTH: 13 FT 6 IN; DIAMETER: 8 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D652				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 9: ALKYLATION AND POLYMERIZATION					
DRUM, RPV-966, SPENT ACID, LENGTH: 39 FT 6 IN; DIAMETER: 13 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D659				
DRUM, RPV-967, SPENT ACID, LENGTH: 39 FT 6 IN; DIAMETER: 13 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D660				
STORAGE TANK, RPV-969, NO.2 ALKYLATION ACID, LENGTH: 44 FT ; DIAMETER: 12 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D661				
STORAGE TANK, RPV-970, NO. A-371, NO.2 ALKYLATION ACID, LENGTH: 44 FT ; DIAMETER: 12 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D662				
DRUM, BLOWDOWN, RPV 971, MTBE/MEROX HYDROCARBON, HEIGHT: 10 FT ; DIAMETER: 8 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D663			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.12
TOWER, BUTANE MEROX EXTRACTOR, RPV 5360, PREVIOUSLY METHANOL EXTRACTOR TOWER IN THE MTBE UNIT, HEIGHT: 72 FT 6 IN; DIAMETER: 6 FT 6 IN A/N: 438620 Permit to Construct Issued: 07/21/09	D1530				E204.7, 1296.1

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 9: ALKYLATION AND POLYMERIZATION					
TOWER, OXIDIZER, RPV 994, MEROX SOLUTION, HEIGHT: 30 FT ; DIAMETER: 3 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D665				
POT, RPV 5385, MEROX CATALYST ADDITION, HEIGHT: 4 FT ; DIAMETER: 1 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D666				
DRUM, BLOWDOWN, RPV 891, ACID, LENGTH: 40 FT ; DIAMETER: 13 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D667				
DRUM, BLOWDOWN, RPV 989, ALKY HYDROCARBON, HEIGHT: 16 FT 9 IN; DIAMETER: 8 FT 1 IN A/N: 438620 Permit to Construct Issued: 07/21/09	D668			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.12
KNOCK OUT POT, RPV 2244, DRIP, SOUR GAS, HEIGHT: 6 FT 6 IN; DIAMETER: 6 IN A/N: 438620 Permit to Construct Issued: 07/21/09	D669				
ACCUMULATOR, RPV 5494, NO. 1, ALKYLATION DEBUT OVERHEAD, LENGTH: 12 FT ; DIAMETER: 4 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D670				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 9: ALKYLATION AND POLYMERIZATION					
DRUM, RPV 5302, ATMOSPHERIC FLASH, HEIGHT: 11 FT 8 IN; DIAMETER: 6 FT 6 IN A/N: 438620 Permit to Construct Issued: 07/21/09	D1527				
KNOCK OUT POT, RPV 5339, DEPROPANIZER OVERHEAD WATER, HEIGHT: 4 FT ; DIAMETER: 2 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D1528				
TANK, SURGE, RPV 5350, #314 , COKER DEPROPANIZER FEED, HEIGHT: 30 FT ; DIAMETER: 8 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D1529				
KNOCK OUT POT, RPV 5377, COKER DEPROPANIZER, HEIGHT: 11 FT 8 IN; DIAMETER: 6 FT 6 IN A/N: 438620 Permit to Construct Issued: 07/21/09	D1531				
TOWER, RPV 5551, WATER KNOCKOUT DRUM, HEIGHT: 17 FT 9 IN; DIAMETER: 6 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D1532				
KNOCK OUT POT, RPV 5609, C4/ OLEFIN FEED WATER(TK 314), HEIGHT: 4 FT ; DIAMETER: 1 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D1533				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 9: ALKYLATION AND POLYMERIZATION					
KNOCK OUT POT, RPV 5611, C4/OLEFIN FEED WATER(TK311), HEIGHT: 4 FT ; DIAMETER: 1 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D1535				
KNOCK OUT POT, RPV 5612, IC4/OLEFIN FEED WATER(TK330) A/N: 438620 Permit to Construct Issued: 07/21/09	D1536				
KNOCK OUT POT, RPV 5614, DEPROPANIZER FEED WATER(TK314), HEIGHT: 3 FT ; DIAMETER: 1 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D1538				
VESSEL, SEPARATOR, RPV 5336, HYDROCARBON/CONDENSATE, HEIGHT: 6 FT 8 IN; DIAMETER: 7 FT 6 IN A/N: 438620 Permit to Construct Issued: 07/21/09	D2019				
ACCUMULATOR, RPV 956, SOLVENT RERUN TOWER OVERHEAD, LENGTH: 20 FT ; DIAMETER: 5 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D2044				
REACTOR, CONTACTOR STRATCO 4A, RW 6366, WITH A 500 H.P. AGITATOR A/N: 438620 Permit to Construct Issued: 07/21/09	D2146				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 9: ALKYLATION AND POLYMERIZATION					
REACTOR, CONTACTOR STRATCO 4B, RW 6367, WITH A 500 H.P. AGITATOR A/N: 438620 Permit to Construct Issued: 07/21/09	D2147				
TANK, SETTLING, RW-6368, ACID, HEIGHT: 70 FT ; DIAMETER: 15 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D2148				
TOWER, RPV-5351, MEROX WATER WASH, HEIGHT: 74 FT ; DIAMETER: 7 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D1517				
TOWER, MEROX EXTRACTOR, RPV-5284, HEIGHT: 33 FT ; DIAMETER: 7 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D1521				
DRUM, WASH NAPHTHA SETTLER, RW 0059, HEIGHT: 10 FT ; DIAMETER: 7 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D2369				
VESSEL, COALESCER, RW 6430, MIXED C4 FEED, HEIGHT: 4 FT 4 IN; DIAMETER: 2 FT 8 IN A/N: 438620 Permit to Construct Issued: 07/21/09	D2370				
DRUM, CAUSTIC PREWASH, RW 6424, HEIGHT: 20 FT ; DIAMETER: 11 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D2371				

- * (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 9: ALKYLATION AND POLYMERIZATION					
VESSEL, DISULFIDE SEPARATOR, RW 6425, LENGTH: 24 FT ; DIAMETER: 6 FT 6 IN A/N: 438620 Permit to Construct Issued: 07/21/09	D2372			HAP: (10) [40CFR 63 Subpart CC, #2, 6-23-2003]	
FILTER, DISULFIDE SAND, RW-6426, HEIGHT: 7 FT ; DIAMETER: 2 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D2373				
ACCUMULATOR, RPV-0852, DEPROPANIZER OVERHEAD, HEIGHT: 20 FT ; DIAMETER: 5 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D2889				
VESSEL, RPV-5382, ACID RELIEF BLOWDOWN NEUTRALIZING, HEIGHT: 10 FT ; DIAMETER: 8 FT A/N: 438620 Permit to Construct Issued: 07/21/09	D2890				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 438620 Permit to Construct Issued: 07/21/09	D2496			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.3
VESSEL, COALESCER, RPV-0002, NET EFFLUENT/WATER WASH, LENGTH: 9 FT ; DIAMETER: 6 FT A/N: 400672 Permit to Construct Issued: 08/29/02	D2664				
MIXER, SP-0001, STATIC, NET EFFLUENT/ACID, DIAMETER: 8 IN A/N: 400672 Permit to Construct Issued: 08/29/02	D2665				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 9: ALKYLATION AND POLYMERIZATION					
MIXER, SP-0002, STATIC, NET EFFLUENT/ALKALINE WATER, DIAMETER: 8 IN A/N: 400672 Permit to Construct Issued: 08/29/02	D2666				
MIXER, SP-0003, STATIC, NET EFFLUENT/WASH WATER, DIAMETER: 8 IN A/N: 400672 Permit to Construct Issued: 08/29/02	D2667				
System 2: CATALYTIC POLYMERIZATION UNIT					S13.2, S31.3, S56.1
VESSEL, POLY FEED BULLET, RPV 2464, LENGTH: 13 FT 6 IN; DIAMETER: 9 FT A/N: 433308 Permit to Construct Issued: 09/28/07	D671				
REACTOR, POLY, RPV 5269, HEIGHT: 33 FT 7 IN; DIAMETER: 4 FT 10 IN A/N: 433308 Permit to Construct Issued: 09/28/07	D672				
REACTOR, POLY, RPV 5270, HEIGHT: 33 FT 7 IN; DIAMETER: 4 FT 10 IN A/N: 433308 Permit to Construct Issued: 09/28/07	D673				
REACTOR, POLY, RPV 5271, HEIGHT: 33 FT 7 IN; DIAMETER: 4 FT 10 IN A/N: 433308 Permit to Construct Issued: 09/28/07	D674				
REACTOR, POLY, RPV 5272, HEIGHT: 33 FT 7 IN; DIAMETER: 4 FT 10 IN A/N: 433308 Permit to Construct Issued: 09/28/07	D675				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 9: ALKYLATION AND POLYMERIZATION					
REACTOR, POLY, RPV 5273, HEIGHT: 33 FT 7 IN; DIAMETER: 4 FT 10 IN A/N: 433308 Permit to Construct Issued: 09/28/07	D676				
REACTOR, POLY, RPV 5274, HEIGHT: 33 FT 7 IN; DIAMETER: 4 FT 10 IN A/N: 433308 Permit to Construct Issued: 09/28/07	D677				
REACTOR, POLY, RPV 5275, HEIGHT: 33 FT 7 IN; DIAMETER: 4 FT 10 IN A/N: 433308 Permit to Construct Issued: 09/28/07	D678				
REACTOR, POLY, RPV 5276, HEIGHT: 33 FT 7 IN; DIAMETER: 4 FT 10 IN A/N: 433308 Permit to Construct Issued: 09/28/07	D679				
REACTOR, POLY, RPV 5277, HEIGHT: 33 FT 7 IN; DIAMETER: 4 FT 10 IN A/N: 433308 Permit to Construct Issued: 09/28/07	D680				
REACTOR, POLY, RPV 5278, HEIGHT: 33 FT 7 IN; DIAMETER: 4 FT 10 IN A/N: 433308 Permit to Construct Issued: 09/28/07	D681				
TOWER, DEBUTANIZER, RPV 2469, HEIGHT: 87 FT ; DIAMETER: 6 FT 6 IN A/N: 433308 Permit to Construct Issued: 09/28/07	D682				
ACCUMULATOR, RPV 2461, POLY DEBUTANIZER OVERHEAD, LENGTH: 12 FT ; DIAMETER: 6 FT A/N: 433308 Permit to Construct Issued: 09/28/07	D683				D90.5

- * (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 9: ALKYLATION AND POLYMERIZATION					
VESSEL, RPV 2466, WATER WASH SETTLER, LENGTH: 11 FT 6 IN; DIAMETER: 8 FT A/N: 433308 Permit to Construct Issued: 09/28/07	D684				
KNOCK OUT POT, VAPOR RECOVERY, RPV 2467, HEIGHT: 7 FT 6 IN; DIAMETER: 6 FT A/N: 433308 Permit to Construct Issued: 09/28/07	D685				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 433308 Permit to Construct Issued: 09/28/07	D2497			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.3
System 9: ISO-OCTENE UNIT					S13.2, S31.4, S46.1, S46.2, S56.1
COLUMN, ISO-OCTENE, C4 (RPV-935), HEIGHT: 98 FT 4 IN; DIAMETER: 4 FT A/N: 462148 Permit to Construct Issued: 03/21/07	D636				E336.8
TANK, SURGE, RPV 922, FEED, METHANOL, HEIGHT: 31 FT 6 IN; DIAMETER: 9 FT A/N: 462148 Permit to Construct Issued: 03/21/07	D653				
ACCUMULATOR, RPV-936, ISO-OCTENE OVERHEAD, HEIGHT: 11 FT 8 IN; DIAMETER: 5 FT A/N: 462148 Permit to Construct Issued: 03/21/07	D655				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 9: ALKYLATION AND POLYMERIZATION					
ACCUMULATOR, RPV 942, DEBUTANIZER OVERHEAD, HEIGHT: 31 FT 6 IN; DIAMETER: 9 FT A/N: 462148 Permit to Construct Issued: 03/21/07	D656				
ACCUMULATOR, RPV 952, DEPROPANIZER OVERHEAD, LENGTH: 11 FT 6 IN; DIAMETER: 5 FT A/N: 462148 Permit to Construct Issued: 03/21/07	D657				
VESSEL, VAPORIZER, RPV 3232, ALKYLATION AMMONIA, HEIGHT: 5 FT 4 IN; DIAMETER: 4 FT A/N: 462148 Permit to Construct Issued: 03/21/07	D664				
KNOCK OUT POT, VAPOR RECOVERY, RPV-912, HEIGHT: 7 FT ; DIAMETER: 5 FT A/N: 462148 Permit to Construct Issued: 03/21/07	D1508				
REACTOR, DIMERIZATION, R-X1, HEIGHT: 29 FT ; DIAMETER: 12 FT A/N: 462148 Permit to Construct Issued: 03/21/07	D2719				E336.8
REACTOR, DIMERIZATION, R-1 (RPV 5355), HEIGHT: 29 FT ; DIAMETER: 12 FT A/N: 462148 Permit to Construct Issued: 03/21/07	D1509				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 9: ALKYLATION AND POLYMERIZATION					
FILTER, RPV-5356, REACTOR EFFLUENT, HEIGHT: 4 FT ; DIAMETER: 2 FT 2 IN A/N: 462148 Permit to Construct Issued: 03/21/07	D1512				
FILTER, RPV-5357, REACTOR EFFLUENT, HEIGHT: 8 FT 4 IN; DIAMETER: 2 FT A/N: 462148 Permit to Construct Issued: 03/21/07	D1513				
KNOCK OUT POT, RPV 5613, MIXED OLEFIN FEED WATER (TK316) A/N: 462148 Permit to Construct Issued: 03/21/07	D1537				
TOWER, DEBUTANIZER, C2 (RPV 941), HEIGHT: 127 FT 8 IN; DIAMETER: 9 FT A/N: 462148 Permit to Construct Issued: 03/21/07	D637				
DRUM, RPV 955, MIXED BUTANE FEED, HEIGHT: 36 FT ; DIAMETER: 11 FT A/N: 462148 Permit to Construct Issued: 03/21/07	D658				
DRUM, V-X1, ALCOHOL RECYCLE, HEIGHT: 12 FT ; DIAMETER: 3 FT 6 IN A/N: 462148 Permit to Construct Issued: 03/21/07	D2720				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 462148 Permit to Construct Issued: 03/21/07	D2503			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 10: GAS PRODUCTION					
System 1: FUEL GAS MIX SYSTEM					S13.2, S31.10, S56.1
DRUM, NORTH AREA MIX, RPV 3276, FUEL GAS, HEIGHT: 17 FT 7 IN; DIAMETER: 13 FT 6 IN A/N: 459286 Permit to Construct Issued: 07/19/07	D706	D608			
DRUM, NORTH AREA MIX (SPARE), RPV 3231, FUEL GAS, HEIGHT: 17 FT 7 IN; DIAMETER: 13 FT 6 IN A/N: 459286 Permit to Construct Issued: 07/19/07	D2836				
SCRUBBER, RPV 2290, FUEL GAS, HEIGHT: 55 FT ; DIAMETER: 6 FT 6 IN A/N: 459286 Permit to Construct Issued: 07/19/07	D708				
ABSORBER, RPV 2861, HEIGHT: 42 FT 6 IN; DIAMETER: 4 FT A/N: 459286 Permit to Construct Issued: 07/19/07	D2005				
ABSORBER, RPV 2862, OFF-GAS CAUSTIC SCRUBBER, HEIGHT: 15 FT ; DIAMETER: 1 FT .75 IN A/N: 459286 Permit to Construct Issued: 07/19/07	D2006				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 459286 Permit to Construct Issued: 07/19/07	D2505				H23.3
Process 11: BLENDING					
System 1: GASOLINE BLENDING UNIT					S13.2, S56.1

- * (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 11: BLENDING					
STORAGE TANK, FIXED ROOF, NO. 278, ADDITIVE (CONVERSION TO COCKTAIL MIX SERVICE), WITH NITROGEN BLANKET, 560 BBL; DIAMETER: 15 FT ; HEIGHT: 18 FT A/N: 395957 † Permit to Construct Issued: 11/08/95	D1620			HAP: (10) [40CFR 63 Subpart CC, #2, 6-23-2003]	
Process 12: TREATING/STRIPPING					
System 9: METHYLDIETHANOLAMINE REGENERATION SYSTEM NO.1					S13.2, S15.1, S56.1
KNOCK OUT POT, RPV 412, MDEA REGENERATOR CHILLED OVERHEAD, HEIGHT: 4 FT 6 IN; DIAMETER: 3 FT A/N: 460581 Permit to Construct Issued: 04/03/07	D791				
TANK, FLASH, MAIN RICH MDEA, RPV 2685, HYDROCARBON/RICH MDEA,SOUR WATER BACKUP, (COMMON WITH NO. 1 & 2 MDEA REGENERATION UNIT), LENGTH: 47 FT ; DIAMETER: 12 FT A/N: 460581 Permit to Construct Issued: 04/03/07	D796			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	E193.11, H23.12
FILTER, ACTIVATED CARBON, RPV-2686, (COMMON WITH MDEA REGENERATION UNITS NOS. 1-4), LENGTH: 9 FT ; DIAMETER: 6 FT 6 IN A/N: 460581 Permit to Construct Issued: 04/03/07	D797				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 12: TREATING/STRIPPING					
FILTER, CARTRIDGE PREFILTER, RPV-5908, (COMMON WITH MDEA REGENERATION UNITS NOS. 1-4) A/N: 460581 Permit to Construct Issued: 04/03/07	D798				
FILTER, CARTRIDGE AFTERFILTER, RPV-5909, (COMMON WITH MDEA REGENERATION UNITS NOS. 1-4) A/N: 460581 Permit to Construct Issued: 04/03/07	D799				
DRUM, RICH MDEA FLASH, RPV 2668, HYDROCARBON/RICH MDEA, (STANDBY, COMMON WITH NO.1& 2 MDEA REGENERATION UNITS), LENGTH: 20 FT ; DIAMETER: 6 FT A/N: 460582 Permit to Construct Issued: 04/04/07	D2712			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	E193.12, H23.12
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 460581 Permit to Construct Issued: 04/03/07	D2517			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.3
System 10: METHYLDIETHANOLAMINE REGENERATION SYSTEM NO.2					S13.2, S15.1, S56.1
ACCUMULATOR, RPV 2662, MDEA REGENERATOR OVERHEAD, LENGTH: 12 FT ; DIAMETER: 5 FT 7 IN A/N: 460582 Permit to Construct Issued: 04/04/07	D804				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 12: TREATING/STRIPPING					
FILTER, ACTIVATED CARBON, RPV-2686, (COMMON WITH MDEA REGENERATION UNITS NOS. 1-4), LENGTH: 9 FT ; DIAMETER: 6 FT 6 IN A/N: 460581 Permit to Construct Issued: 04/03/07	D797				
FILTER, CARTRIDGE PREFILTER, RPV-5908, (COMMON WITH MDEA REGENERATION UNITS NOS. 1-4) A/N: 460581 Permit to Construct Issued: 04/03/07	D798				
FILTER, CARTRIDGE AFTERFILTER, RPV-5909, (COMMON WITH MDEA REGENERATION UNITS NOS. 1-4) A/N: 460581 Permit to Construct Issued: 04/03/07	D799				
POT, RPV 2666, MDEA REGENERATOR REBOILER CONDENSATE, LENGTH: 4 FT ; DIAMETER: 3 FT A/N: 460582 Permit to Construct Issued: 04/04/07	D806				
COLUMN, MDEA REGENERATOR, RPV-2667, HEIGHT: 44 FT ; DIAMETER: 7 FT A/N: 460582 Permit to Construct Issued: 04/04/07	D807				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 12: TREATING/STRIPPING					
TANK, FLASH, MAIN RICH MDEA, RPV 2685, HYDROCARBON/RICH MDEA,SOUR WATER BACKUP, (COMMON WITH NO. 1 & 2 MDEA REGENERATION UNIT), LENGTH: 47 FT ; DIAMETER: 12 FT A/N: 460581 Permit to Construct Issued: 04/03/07	D796			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	E193.11, H23.12
DRUM, RICH MDEA FLASH, RPV 2668, HYDROCARBON/RICH MDEA, (STANDBY, COMMON WITH NO.1& 2 MDEA REGENERATION UNITS), LENGTH: 20 FT ; DIAMETER: 6 FT A/N: 460582 Permit to Construct Issued: 04/04/07	D2712			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	E193.12, H23.12
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 460582 Permit to Construct Issued: 04/04/07	D2518			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.3
System 11: METHYLDIETHANOLAMINE REGENERATION SYSTEM NO.3					S13.2, S15.1, S56.1
FILTER, ACTIVATED CARBON, RPV-2686, (COMMON WITH MDEA REGENERATION UNITS NOS. 1-4), LENGTH: 9 FT ; DIAMETER: 6 FT 6 IN A/N: 460581 Permit to Construct Issued: 04/03/07	D797				
FILTER, CARTRIDGE PREFILTER, RPV-5908, (COMMON WITH MDEA REGENERATION UNITS NOS. 1-4) A/N: 460581 Permit to Construct Issued: 04/03/07	D798				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 12: TREATING/STRIPPING					
FILTER, CARTRIDGE AFTERFILTER, RPV-5909, (COMMON WITH MDEA REGENERATION UNITS NOS. 1-4) A/N: 460581 Permit to Construct Issued: 04/03/07	D799				
System 12: METHYLDIETHANOLAMINE REGENERATION SYSTEM NO.4					S13.2, S15.1, S56.1
FILTER, ACTIVATED CARBON, RPV-2686, (COMMON WITH MDEA REGENERATION UNITS NOS. 1-4), LENGTH: 9 FT ; DIAMETER: 6 FT 6 IN A/N: 460581 Permit to Construct Issued: 04/03/07	D797				
FILTER, CARTRIDGE PREFILTER, RPV-5908, (COMMON WITH MDEA REGENERATION UNITS NOS. 1-4) A/N: 460581 Permit to Construct Issued: 04/03/07	D798				
FILTER, CARTRIDGE AFTERFILTER, RPV-5909, (COMMON WITH MDEA REGENERATION UNITS NOS. 1-4) A/N: 460581 Permit to Construct Issued: 04/03/07	D799				
System 14: NORTH SOUR WATER TREATMENT SYSTEM					S13.2, S31.6
VESSEL, FLASH, RPV 2257, SOUR WATER, 1000 BBL; DIAMETER: 12 FT ; LENGTH: 48 FT A/N: 434526 Permit to Construct Issued: 07/26/05	D780			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	E336.5, E336.12, H23.12

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 12: TREATING/STRIPPING					
KNOCK OUT POT, RPV 2624, FLASH VESSEL, HEIGHT: 12 FT ; DIAMETER: 6 FT A/N: 434526 Permit to Construct Issued: 07/26/05	D781				E336.5, E336.12
TANK, PRESSURIZED SPHERE, NO.710, SOUR WATER, WITH FUEL GAS BLANKET,COMMON TO NORTH & SOUTH SOUR WATER TREATMENT SYSTEMS,, 40600 BBL; DIAMETER: 75 FT 9 IN A/N: 434526 Permit to Construct Issued: 07/26/05	D2728			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	E71.18, E336.9, E336.10, E336.11, H23.12, K67.15
TANK, SURGE/FEED, FIXED ROOF, NO.774, SOUR WATER, WITH FUEL GAS BLANKET, COMMON TO NORTH & SOUTH SOUR WATER TREATMENT SYSTEMS, 54000 BBL; DIAMETER: 90 FT ; HEIGHT: 48 FT A/N: 434526 Permit to Construct Issued: 07/26/05	D1113			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	E71.17, E336.2, E336.7, H23.12, K67.15
TANK, SURGE/FEED, FIXED ROOF, NO.775, SOUR WATER, WITH FUEL GAS BLANKET, COMMON TO NORTH & SOUTH SOUR WATER TREATMENT SYSTEMS, 54000 BBL; DIAMETER: 90 FT ; HEIGHT: 48 FT A/N: 434526 Permit to Construct Issued: 07/26/05	D1114			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	E336.2, H23.12, K67.15

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 12: TREATING/STRIPPING					
COLUMN, STRIPPER A, RPV 4101, SOUR WATER, COMMON TO NORTH & SOUTH SOUR WATER TREATMENT SYSTEMS, HEIGHT: 74 FT ; DIAMETER: 8 FT A/N: 434526 Permit to Construct Issued: 07/26/05	D838				E336.8
ACCUMULATOR, STRIPPER A OVERHEAD, RPV 4107, COMMON TO NORTH & SOUTH SOUR WATER TREATMENT SYSTEMS, LENGTH: 10 FT ; DIAMETER: 4 FT A/N: 434526 Permit to Construct Issued: 07/26/05	D840				
VESSEL, STRIPPER A OVERHEAD SEPARATOR, RPV 4104, COMMON TO NORTH & SOUTH SOUR WATER TREATMENT SYSTEMS, HEIGHT: 10 FT ; DIAMETER: 4 FT A/N: 434526 Permit to Construct Issued: 07/26/05	D839				E336.6
COLUMN, STRIPPER B, RPV 4100, SOUR WATER, COMMON TO NORTH & SOUTH SOUR WATER TREATMENT SYSTEMS, HEIGHT: 74 FT ; DIAMETER: 8 FT A/N: 434526 Permit to Construct Issued: 07/26/05	D841				E336.8

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 12: TREATING/STRIPPING					
ACCUMULATOR, STRIPPER B OVERHEAD, RPV 4108, COMMON TO NORTH & SOUTH SOUR WATER TREATMENT SYSTEMS, LENGTH: 8 FT 9 IN; DIAMETER: 4 FT A/N: 434526 Permit to Construct Issued: 07/26/05	D843				
VESSEL, STRIPPER B OVERHEAD SEPARATOR, RPV 4105, COMMON TO NORTH & SOUTH SOUR WATER TREATMENT SYSTEMS, HEIGHT: 10 FT ; DIAMETER: 4 FT A/N: 434526 Permit to Construct Issued: 07/26/05	D842				E336.6
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 434526 Permit to Construct Issued: 07/26/05	D2514			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.3
System 15: SOUTH SOUR WATER TREATMENT SYSTEM					S13.2, S31.6
VESSEL, FLASH, RPV 2293, SOUR WATER, 1000 BBL; DIAMETER: 12 FT ; LENGTH: 48 FT A/N: 436040 Permit to Construct Issued: 07/26/05	D844			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	E336.5, E336.12, H23.12
TANK, PRESSURIZED SPHERE, NO.710, SOUR WATER, WITH FUEL GAS BLANKET,COMMON TO NORTH & SOUTH SOUR WATER TREATMENT SYSTEMS,, 40600 BBL; DIAMETER: 75 FT 9 IN A/N: 434526 Permit to Construct Issued: 07/26/05	D2728			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	E71.18, E336.9, E336.10, E336.11, H23.12, K67.15

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 12: TREATING/STRIPPING					
TANK, SURGE/FEED, FIXED ROOF, NO.774, SOUR WATER, WITH FUEL GAS BLANKET, COMMON TO NORTH & SOUTH SOUR WATER TREATMENT SYSTEMS, 54000 BBL; DIAMETER: 90 FT ; HEIGHT: 48 FT A/N: 434526 Permit to Construct Issued: 07/26/05	D1113			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	E71.17, E336.2, E336.7, H23.12, K67.15
TANK, SURGE/FEED, FIXED ROOF, NO.775, SOUR WATER, WITH FUEL GAS BLANKET, COMMON TO NORTH & SOUTH SOUR WATER TREATMENT SYSTEMS, 54000 BBL; DIAMETER: 90 FT ; HEIGHT: 48 FT A/N: 434526 Permit to Construct Issued: 07/26/05	D1114			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	E336.2, H23.12, K67.15
COLUMN, STRIPPER A, RPV 4101, SOUR WATER, COMMON TO NORTH & SOUTH SOUR WATER TREATMENT SYSTEMS, HEIGHT: 74 FT ; DIAMETER: 8 FT A/N: 434526 Permit to Construct Issued: 07/26/05	D838				E336.8
ACCUMULATOR, STRIPPER A OVERHEAD, RPV 4107, COMMON TO NORTH & SOUTH SOUR WATER TREATMENT SYSTEMS, LENGTH: 10 FT ; DIAMETER: 4 FT A/N: 434526 Permit to Construct Issued: 07/26/05	D840				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 12: TREATING/STRIPPING					
VESSEL, STRIPPER A OVERHEAD SEPARATOR, RPV 4104, COMMON TO NORTH & SOUTH SOUR WATER TREATMENT SYSTEMS, HEIGHT: 10 FT ; DIAMETER: 4 FT A/N: 434526 Permit to Construct Issued: 07/26/05	D839				E336.6
COLUMN, STRIPPER B, RPV 4100, SOUR WATER, COMMON TO NORTH & SOUTH SOUR WATER TREATMENT SYSTEMS, HEIGHT: 74 FT ; DIAMETER: 8 FT A/N: 434526 Permit to Construct Issued: 07/26/05	D841				E336.8
ACCUMULATOR, STRIPPER B OVERHEAD, RPV 4108, COMMON TO NORTH & SOUTH SOUR WATER TREATMENT SYSTEMS, LENGTH: 8 FT 9 IN; DIAMETER: 4 FT A/N: 434526 Permit to Construct Issued: 07/26/05	D843				
VESSEL, STRIPPER B OVERHEAD SEPARATOR, RPV 4105, COMMON TO NORTH & SOUTH SOUR WATER TREATMENT SYSTEMS, HEIGHT: 10 FT ; DIAMETER: 4 FT A/N: 434526 Permit to Construct Issued: 07/26/05	D842				E336.6
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 434526 Permit to Construct Issued: 07/26/05	D2527			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.3
System 18: RULE 441 RESEARCH EQUIPMENT					

- * (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 12: TREATING/STRIPPING					
FILTER, PROCESSOR PM PRE-FILTER, HRT SYSTEM, POROUS MEDIA, DIAMETER: 8 IN A/N: 473659 Permit to Construct Issued: 03/06/08	D2857				C1.67, D182.8, E204.8
FILTER, LIQUISEP HYDROCARBON FILTER, HRT SYSTEM, POROUS MEDIA, DIAMETER: 8 IN A/N: 473659 Permit to Construct Issued: 03/06/08	D2858				C1.67, D182.8, E193.23, E204.8
Process 13: SULFUR RECOVERY					
System 5: CLAUS TAIL GAS TREATING UNIT NO. 2					S18.1
KNOCK OUT POT, RPV 4121, TAIL GAS, HEIGHT: 11 FT ; DIAMETER: 10 FT A/N: 396913 Permit to Construct Issued: 10/22/02	D899	C896			
TANK, SULFUR COLLECTOR, RW6866, WITH STEAM JACKET; VENTED TO TGU NO.2 A/N: 396913 Permit to Construct Issued: 10/22/02	D2668	C896			E57.3
HEATER, NATURAL GAS, CLAUS TAIL GAS, INLINE TYPE, 9.35 MMBTU/HR A/N: 396913 Permit to Construct Issued: 10/22/02	D907				
REACTOR, NO. 2 TGU, RPV 4117, LENGTH: 23 FT ; DIAMETER: 13 FT A/N: 396913 Permit to Construct Issued: 10/22/02	D895				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 13: SULFUR RECOVERY					
ABSORBER, RPV 4118, WITH 13 TRAYSAND AN INTERNAL MIST ELIMINATOR, HEIGHT: 40 FT 3 IN; DIAMETER: 9 FT A/N: 396913 Permit to Construct Issued: 10/22/02	C896	D888 D899 C910 D2645 D2646 D2654 D2655 D2656 D2668		HAP: (10) [40CFR 63 Subpart UUU, #4, 4-20-2006]; REDUCED S: 300 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996]	D82.3, E193.5
TOWER, QUENCH, RPV 4119, HEIGHT: 25 FT 3 IN; DIAMETER: 9 FT A/N: 396913 Permit to Construct Issued: 10/22/02	D897				
FILTER, QUENCH TOWER CIRC WATER STRING, RPV 4196, HEIGHT: 3 FT .63 IN; DIAMETER: 1 FT .5 IN A/N: 396913 Permit to Construct Issued: 10/22/02	D903				
FILTER, QUENCH WATER EAST, RPV5415, HEIGHT: 3 FT ; DIAMETER: 1 FT A/N: 396913 Permit to Construct Issued: 10/22/02	D2669				
FILTER, QUENCH WATER WEST, RPV5414, HEIGHT: 3 FT ; DIAMETER: 1 FT A/N: 396913 Permit to Construct Issued: 10/22/02	D2670				
REGENERATOR, MDEA, RPV 4120, COMMON TO TGU NO.1 & 2, WITH 20 TRAYS, HEIGHT: 56 FT 6 IN; DIAMETER: 7 FT A/N: 401274 Permit to Construct Issued: 10/22/02	D898				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 13: SULFUR RECOVERY					
HEATER, MDEA REGEN REBOILER WEST, RPV4193, UNFIRED, COMMON TO TGU NO.1 & 2, 24.14 MMBTU/HR A/N: 401274 Permit to Construct Issued: 10/22/02	D2671				
HEATER, MDEA REGEN REBOILER EAST, RPV5656, UNFIRED, COMMON TO TGU NO.1 & 2, 24.14 MMBTU/HR A/N: 401274 Permit to Construct Issued: 10/22/02	D2672				
ACCUMULATOR, RW6890, REGENERATOR OVERHEAD, COMMON TO TGU NO.1 & 2, LENGTH: 12 FT ; DIAMETER: 4 FT A/N: 401274 Permit to Construct Issued: 10/22/02	D900				E57.4, E193.9
CONDENSER, REGEN OVERHEAD, RPV4185, 27.39 MMBTU/HR, COMMON TO TGU NO.1 & 2 A/N: 401274 Permit to Construct Issued: 10/22/02	C2673				
TANK, SURGE, RPV 4123, LEAN MDEA, COMMON TO TGU NO.1 & 2, HEIGHT: 17 FT ; DIAMETER: 10 FT A/N: 401274 Permit to Construct Issued: 10/22/02	D901				
FILTER, RPV 6698, LEAN MDEA, COMMON TO TGU NO.1 & 2, LENGTH: 6 FT 6 IN; DIAMETER: 4 FT A/N: 401274 Permit to Construct Issued: 10/22/02	D2409				

- * (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 13: SULFUR RECOVERY					
FILTER, RPV 6699, LEAN MDEA, CARBON, COMMON TO TGU NO.1 & 2, LENGTH: 12 FT ; DIAMETER: 6 FT A/N: 401274 Permit to Construct Issued: 10/22/02	D2410				
FILTER, AFTER, RPV 6700, LEAN MDEA, COMMON TO TGU NO.1 & 2, LENGTH: 4 FT ; DIAMETER: 1 FT 6 IN A/N: 401274 Permit to Construct Issued: 10/22/02	D2411				
STORAGE TANK, FIXED ROOF, TK-617, FRESH MDEA, COMMON TO TGU NO.1 & 2, 700 BBL; DIAMETER: 15 FT ; HEIGHT: 23 FT A/N: 401274 Permit to Construct Issued: 10/22/02	D908			HAP: (10) [40CFR 63 Subpart CC, #2, 6-23-2003]	
STORAGE TANK, FIXED ROOF, TK-618, FRESH MDEA, COMMON TO TGU NO.1 & 2, 700 BBL; DIAMETER: 15 FT ; HEIGHT: 23 FT A/N: 401274 Permit to Construct Issued: 10/22/02	D909			HAP: (10) [40CFR 63 Subpart CC, #2, 6-23-2003]	
System 7: CLAUS TAIL GAS TREATING UNIT NO. 1					S18.1
HEATER, RW 0059, NATURAL GAS, TAIL GAS, INLINE TYPE, 9.4 MMBTU/HR A/N: 401274 Permit to Construct Issued: 10/22/02	D2412				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 13: SULFUR RECOVERY					
REACTOR, RW 6690, LENGTH: 26 FT ; DIAMETER: 13 FT A/N: 401274 Permit to Construct Issued: 10/22/02	D2405				
TOWER, QUENCH, RW 6692, HEIGHT: 25 FT ; DIAMETER: 9 FT A/N: 401274 Permit to Construct Issued: 10/22/02	D2407				
ABSORBER, RW 6693, WITH 13 TRAYS, HEIGHT: 41 FT 8 IN; DIAMETER: 9 FT A/N: 401274 Permit to Construct Issued: 10/22/02	C2406	D888 C910 C2413 D2645 D2646 D2654 D2655 D2656		HAP: (10) [40CFR 63 Subpart UUU, #4, 4-20-2006]; REDUCED S: 300 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996]	D82.3, E193.5
FILTER, QUENCH TOWER CIRC WATER STRING, RPV 6694, LENGTH: 3 FT 11 IN; DIAMETER: 1 FT 4 IN A/N: 401274 Permit to Construct Issued: 10/22/02	D2408				
REGENERATOR, MDEA, RPV 4120, COMMON TO TGU NO.1 & 2, WITH 20 TRAYS, HEIGHT: 56 FT 6 IN; DIAMETER: 7 FT A/N: 401274 Permit to Construct Issued: 10/22/02	D898				
HEATER, MDEA REGEN REBOILER WEST, RPV4193, UNFIRED, COMMON TO TGU NO.1 & 2, 24.14 MMBTU/HR A/N: 401274 Permit to Construct Issued: 10/22/02	D2671				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 13: SULFUR RECOVERY					
HEATER, MDEA REGEN REBOILER EAST, RPV5656, UNFIRED, COMMON TO TGU NO.1 & 2, 24.14 MMBTU/HR A/N: 401274 Permit to Construct Issued: 10/22/02	D2672				
ACCUMULATOR, RW6890, REGENERATOR OVERHEAD, COMMON TO TGU NO.1 & 2, LENGTH: 12 FT ; DIAMETER: 4 FT A/N: 401274 Permit to Construct Issued: 10/22/02	D900				E57.4, E193.9
CONDENSER, REGEN OVERHEAD, RPV4185, 27.39 MMBTU/HR, COMMON TO TGU NO.1 & 2 A/N: 401274 Permit to Construct Issued: 10/22/02	C2673				
TANK, SURGE, RPV 4123, LEAN MDEA, COMMON TO TGU NO.1 & 2, HEIGHT: 17 FT ; DIAMETER: 10 FT A/N: 401274 Permit to Construct Issued: 10/22/02	D901				
FILTER, RPV 6698, LEAN MDEA, COMMON TO TGU NO.1 & 2, LENGTH: 6 FT 6 IN; DIAMETER: 4 FT A/N: 401274 Permit to Construct Issued: 10/22/02	D2409				
FILTER, RPV 6699, LEAN MDEA, CARBON, COMMON TO TGU NO.1 & 2, LENGTH: 12 FT ; DIAMETER: 6 FT A/N: 401274 Permit to Construct Issued: 10/22/02	D2410				

- * (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 13: SULFUR RECOVERY					
FILTER, AFTER, RPV 6700, LEAN MDEA, COMMON TO TGU NO.1 & 2, LENGTH: 4 FT ; DIAMETER: 1 FT 6 IN A/N: 401274 Permit to Construct Issued: 10/22/02	D2411				
STORAGE TANK, FIXED ROOF, TK-617, FRESH MDEA, COMMON TO TGU NO.1 & 2, 700 BBL; DIAMETER: 15 FT ; HEIGHT: 23 FT A/N: 401274 Permit to Construct Issued: 10/22/02	D908			HAP: (10) [40CFR 63 Subpart CC, #2, 6-23-2003]	
STORAGE TANK, FIXED ROOF, TK-618, FRESH MDEA, COMMON TO TGU NO.1 & 2, 700 BBL; DIAMETER: 15 FT ; HEIGHT: 23 FT A/N: 401274 Permit to Construct Issued: 10/22/02	D909			HAP: (10) [40CFR 63 Subpart CC, #2, 6-23-2003]	
Process 14: LOADING AND UNLOADING					
System 2: MIXED LIGHT ENDS TANK CAR LOADING/UNLOADING					S13.13, S46.2, S46.3, S56.1
LOADING AND UNLOADING ARM, TANK CAR, SIX (6), BUTANE, WITH DRY BREAK CONNECTIONS A/N: 475030 Permit to Construct Issued: 01/08/09	D917				
TANK, SURGE, RPV-4345, BUTANE, HEIGHT: 9 FT 6 IN; DIAMETER: 6 FT A/N: 475030 Permit to Construct Issued: 01/08/09	D923				E336.8

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 14: LOADING AND UNLOADING					
KNOCK OUT POT, LOW LINE, RPV-2746, HEIGHT: 8 FT ; DIAMETER: 4 FT A/N: 475030 Permit to Construct Issued: 01/08/09	D924				E336.8
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 475030 Permit to Construct Issued: 01/08/09	D2534				H23.3
Process 15: OIL WATER SEPARATION					
System 4: WASTE WATER TREATMENT SYSTEM NO.7					S13.6
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, N0.19, WASTE WATER, 143000 BBL; DIAMETER: 160 FT ; HEIGHT: 40 FT WITH A/N: 448845 Permit to Construct Issued: 07/13/06 <div>DOME COVER, GEODESIC</div> <div>FLOATING ROOF, PONTOON, WELDED SHELL</div> <div>PRIMARY SEAL, CATEGORY A, METALLIC SHOE</div> <div>SECONDARY SEAL, RIM MOUNTED, CATEGORY B</div> <div>GUIDEPOLE, GASKETED COVER, WITH POLE SLEEVE, WIPER, SLOTTED</div>	D1000			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]	C1.50, C6.2, H23.4, H23.5, H23.12, K67.21

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 15: OIL WATER SEPARATION					
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, N0.20, WASTE WATER, WITH 50 HP MIXER, 143400 BBL; DIAMETER: 160 FT ; HEIGHT: 40 FT WITH A/N: 448846 Permit to Construct Issued: 07/13/06 DOME COVER, GEODESIC FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, RIM MOUNTED, CATEGORY B GUIDEPOLE, GASKETED COVER, WITH POLE SLEEVE, WIPER, SLOTTED	D1001			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]	C1.50, C6.2, H23.4, H23.5, H23.12, K67.21
System 9: STORM WATER HANDLING AND TREATING SYSTEM					S13.6
SUMP, V-15, CTBD/# JB-X25, INTERCONNECTED WITH V16 AND V20, FIXED COVER, WIDTH: 12 FT ; DEPTH: 23 FT 6 IN; LENGTH: 36 FT A/N: 474554 Permit to Construct Issued: 06/05/09	D1058	C2886		VOC: 50 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 15: OIL WATER SEPARATION					
SUMP, V-16, CTBD/# JB-X25, INTERCONNECTED WITH V15 AND V20, FIXED COVER, WIDTH: 6 FT ; DEPTH: 23 FT 6 IN; LENGTH: 12 FT A/N: 474554 Permit to Construct Issued: 06/05/09	D1059	C2886		VOC: 50 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	
SUMP, V-20, CTBD/#JB-X25, INTERCONNECTED WITH V15 AND V16, FIXED COVER, WIDTH: 6 FT ; DEPTH: 23 FT 6 IN; LENGTH: 12 FT A/N: 474554 Permit to Construct Issued: 06/05/09	D2834	C2886		VOC: 50 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	
CARBON ADSORBER, TWO CANISTERS IN SERIES, 1000 LBS CARBON PER CANISTER A/N: 474554 Permit to Construct Issued: 06/05/09	C2886	D1058 D1059 D2834			D90.8, E128.1, E153.6, K67.16
SUMP, WEST IGF EFFLUENT, LIFT STATION, FIXED COVER, WIDTH: 11 FT ; DEPTH: 9 FT 6 IN; LENGTH: 12 FT A/N: 474553 Permit to Construct Issued: 06/05/09	D2835	C2446		VOC: 500 PPMV (5) [RULE 1176, 9-13-1996]	H23.14
CARBON ADSORBER, TWO CARBON TRAINS, EACH TRAIN WITH TWO 1000 LB CANISTERS IN SERIES, ONE CARBON TRAIN FUNCTIONING AS BACKUP, SERVING WEST IGF EFFLUENT SUMP A/N: 474553 Permit to Construct Issued: 06/05/09	C2446	D2835			D90.8, E128.1, E153.7, K67.16
System 10: SPILL CONTAINMENT SUMP WITH LIFT STATION					S13.5

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 15: OIL WATER SEPARATION					
SUMP, WIDTH: 12 FT ; DEPTH: 12 FT ; LENGTH: 12 FT A/N: 396003 † Permit to Construct Issued: 01/31/97	D2143				B59.2, D90.9
System 12: SUMPS, OTHER					
SUMP, FIRE TRAINING SUMP, 216 CUBIC FEET CAPACITY, WIDTH: 6 FT ; DEPTH: 6 FT ; LENGTH: 6 FT A/N: 497452 Permit to Construct Issued: 03/25/10	D2902				B59.2, D90.9, H23.22
Process 16: PETROLEUM STORAGE TANKS					
System 1: FIXED ROOF TANKS					S13.8
STORAGE TANK, FIXED ROOF, TK-173R, OCTEL ADDITIVE RA-560, 12500 GALS; DIAMETER: 13 FT ; HEIGHT: 12 FT 8 IN A/N: 395836 † Permit to Construct Issued: 02/07/01	D2612				B22.10, C1.41, E71.15, K67.20, K67.21
STORAGE TANK, FIXED ROOF, NO.773, NATURAL GAS BLANKET, 100000 BBL; DIAMETER: 134 FT ; HEIGHT: 40 FT A/N: 467510 Permit to Construct Issued: 12/04/07	D1069	D1313 D1314 D2807			B22.17, C1.62, E336.2, K67.5, K67.21
STORAGE TANK, FIXED ROOF, NO.958, 150000 BBL; DIAMETER: 160 FT ; HEIGHT: 42 FT A/N: 462667 Permit to Construct Issued: 03/21/07	D1084	D1313 D1314 D2807			E336.2, K67.5

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 16: PETROLEUM STORAGE TANKS					
STORAGE TANK, FIXED ROOF, NO.614, OILY SLUDGE, HEATED, WITH STEAM COILS, 1200 BBL; DIAMETER: 25 FT ; HEIGHT: 13 FT A/N: 433622 Permit to Construct Issued: 02/21/08	D1106	D1313 D1314 D2807			C1.64, E336.2, K67.5
Process 19: PETROLEUM MISCELLANEOUS					
System 2: FUEL STORAGE AND DISPENSING FACILITY NO.1					
STORAGE TANK, METHANOL COMPATIBLE, UNDERGROUND, GASOLINE, EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM PHIL-TITE (VR-101-K), 5000 GALS A/N: 487172 Permit to Construct Issued: 10/10/08	D2649			VOC: (9) [RULE 461, BP, Healy, Phase I and II EVR Conditions, 3-7-2008; RULE 461, Bellowsless Conditions, 3-7-2008; RULE 461, Universal Conditions, 3-7-2008]	
FUEL DISPENSING NOZZLE, ONE PRODUCT, BELLOW-LESS, GASOLINE, EQUIPPED WITH HEALY PHASE II VAPOR RECOVERY SYSTEM, NOT INCLUDING ISD (VR-201-G), WITH PHASE II VAPOR RECOVERY SYSTEM A/N: 487172 Permit to Construct Issued: 10/10/08	D2650			VOC: (9) [RULE 461, BP, Healy, Phase I and II EVR Conditions, 3-7-2008; RULE 461, Bellowsless Conditions, 3-7-2008; RULE 461, Universal Conditions, 3-7-2008]	
Process 21: AIR POLLUTION CONTROL PROCESS					
System 1: SOUTH AREA FLARE SYSTEM					S31.10, S56.1, S58.2

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 21: AIR POLLUTION CONTROL PROCESS					
FLARE, ELEVATED WITH STEAM INJECTION, NATURAL GAS, WITH 3 PILOT ASSEMBLIES, TIE-IN LINE TO FCCU FLARE FROM THE SOUTH UNITS, HEIGHT: 203 FT 6 IN; DIAMETER: 3 FT WITH A/N: 499007 Permit to Construct Issued: 03/25/10 BURNER, JOHN ZINK, MODEL STF-S-24	C1302	D809 D815		CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D12.15, D323.1, E193.3, H23.12, H23.29, I1.1
KNOCK OUT POT, RPV-0417, HEIGHT: 7 FT ; DIAMETER: 5 FT A/N: 499007 Permit to Construct Issued: 03/25/10	D2795				
KNOCK OUT POT, FLARE STACK, HEIGHT: 21 FT 6 IN; DIAMETER: 9 FT A/N: 499007 Permit to Construct Issued: 03/25/10	D1303				
KNOCK OUT POT, RPV-303, SOUTH AREA FLARE PRIMARY, LENGTH: 40 FT ; DIAMETER: 10 FT A/N: 499007 Permit to Construct Issued: 03/25/10	D1304				
DRUM, WATER SEAL, RW 6989, LENGTH: 25 FT ; DIAMETER: 13 FT A/N: 499007 Permit to Construct Issued: 03/25/10	D2796				
KNOCK OUT POT, SOUTH FLARE LINE, RPV-1994, HEIGHT: 5 FT 9 IN; DIAMETER: 1 FT 4 IN A/N: 499007 Permit to Construct Issued: 03/25/10	D2809				

- * (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 21: AIR POLLUTION CONTROL PROCESS					
KNOCK OUT POT, NORTH FLARE LINE, RPV-1993, HEIGHT: 5 FT 9 IN; DIAMETER: 1 FT 4 IN A/N: 499007 Permit to Construct Issued: 03/25/10	D2810				
VESSEL, AUTOPUMP, SOUTH AREA FLARE, RW-6876-289.09, HEIGHT: 3 FT 11 IN; DIAMETER: 1 FT A/N: 499007 Permit to Construct Issued: 03/25/10	D2863				
VESSEL, AUTOPUMP, SOUTH AREA FLARE, RW-6877-289.09, HEIGHT: 3 FT 11 IN; DIAMETER: 1 FT A/N: 499007 Permit to Construct Issued: 03/25/10	D2864				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 499007 Permit to Construct Issued: 03/25/10	D2542			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.3
System 2: FLUID CATALYTIC CRACKING UNIT FLARE SYSTEM					S31.9, S31.10, S56.1, S58.3

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 21: AIR POLLUTION CONTROL PROCESS					
FLARE, ELEVATED WITH STEAM INJECTION, WITH A LIGHT GAS SEAL, 15 STEAM JETS & 2" CENTER STEAM DISCHARGE, NATURAL GAS, SERVING AS BACKUP FOR THE UNITS HANDLED BY THE HYDROCRACKER & THE COKER FLARES, HEIGHT: 128 FT ; DIAMETER: 2 FT WITH A/N: 488608 Permit to Construct Issued: 06/02/09 BURNER, JOHN ZINK, MODEL QSC-24	C1305			CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D12.15, D323.1, E193.3, E193.21, H23.12, H23.29, I1.1
DRUM, FLARE KNOCKOUT, RPV 2132, LENGTH: 30 FT ; DIAMETER: 12 FT A/N: 488608 Permit to Construct Issued: 06/02/09	D1306			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	E193.18, H23.12
DRUM, WATER SEAL, RW 7000, HEIGHT: 25 FT ; DIAMETER: 12 FT A/N: 488608 Permit to Construct Issued: 06/02/09	D2803				
VESSEL, AUTOPUMP, FCC FLARE, RW-6885-289.09, HEIGHT: 3 FT 11 IN; DIAMETER: 1 FT A/N: 488608 Permit to Construct Issued: 06/02/09	D2865				
VESSEL, AUTOPUMP, FCC FLARE, RW-6886-289.09, HEIGHT: 3 FT 11 IN; DIAMETER: 1 FT A/N: 488608 Permit to Construct Issued: 06/02/09	D2866				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 21: AIR POLLUTION CONTROL PROCESS					
VESSEL, SEPARATOR, RPV 3246, STEAM, HEIGHT: 6 FT ; DIAMETER: 3 FT A/N: 488608 Permit to Construct Issued: 06/02/09	D1307				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 488608 Permit to Construct Issued: 06/02/09	D2543			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.3
System 3: HYDROCRACKER FLARE SYSTEM					S31.10, S58.4
FLARE, ELEVATED WITH STEAM INJECTION, WITH A LIGHT GAS SEAL & 33 STEAM JETS, NATURAL GAS, SERVING AS BACKUP FOR THE UNITS HANDLED BY THE FCCU FLARE, HEIGHT: 161 FT 3 IN; DIAMETER: 2 FT 6 IN WITH A/N: 488607 Permit to Construct Issued: 06/02/09 BURNER, JOHN ZINK, MODEL STF-S-30	C1308	D474		CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D12.15, D323.1, E193.3, E193.25, H23.12, H23.29, I1.1
DRUM, FLARE KNOCKOUT, RPV 3212, LENGTH: 12 FT ; DIAMETER: 10 FT A/N: 488607 Permit to Construct Issued: 06/02/09	D1309			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.12
DRUM, WATER SEAL, RW 7002, LENGTH: 40 FT ; DIAMETER: 14 FT A/N: 488607 Permit to Construct Issued: 06/02/09	D2804				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 21: AIR POLLUTION CONTROL PROCESS					
VESSEL, AUTOPUMP, HCU FLARE, RW-6878-289.09, HEIGHT: 3 FT 11 IN; DIAMETER: 1 FT A/N: 488607 Permit to Construct Issued: 06/02/09	D2867				
VESSEL, AUTOPUMP, HCU FLARE, RW-6879-289.09, HEIGHT: 3 FT 11 IN; DIAMETER: 1 FT A/N: 488607 Permit to Construct Issued: 06/02/09	D2868				
MIST ELIMINATOR, RPV-3214, LENGTH: 28 FT 6 IN; DIAMETER: 12 FT A/N: 488607 Permit to Construct Issued: 06/02/09	D1310				
VESSEL, SEPARATOR, RPV 3213, STEAM, HEIGHT: 4 FT ; DIAMETER: 2 FT A/N: 488607 Permit to Construct Issued: 06/02/09	D1311				
DRUM, RPV 3215, OIL ELIMINATOR, HEIGHT: 6 FT ; DIAMETER: 5 FT A/N: 488607 Permit to Construct Issued: 06/02/09	D1312				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 488607 Permit to Construct Issued: 06/02/09	D2544			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.3
System 4: REFINERY VAPOR RECOVERY SYSTEM					S18.6, S31.6, S56.1

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 21: AIR POLLUTION CONTROL PROCESS					
COMPRESSOR, TWO STAGE, NO.5, RW 7087.03 A/N: 408310 Permit to Construct Issued: 01/21/09	D1313	D80 D525 D526 D527 D528 D847 D848 D875 D1067 D1069 D1072 D1073 D1074 D1075 D1078 D1079 D1084 D1085 D1089 D1092 D1093 D1098 D1103 D1106 D1111 D1120 D1139 D1141			E73.5
COMPRESSOR, TWO STAGE, NO.6, RW 26087.32 A/N: 408310 Permit to Construct Issued: 01/21/09	D1314	D80 D525 D526 D527 D528 D847 D848 D875 D1067 D1069 D1072 D1073 D1074 D1075 D1078 D1079 D1084 D1085 D1089 D1092 D1093 D1098 D1103 D1106 D1111 D1120 D1139 D1141			E73.5

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 21: AIR POLLUTION CONTROL PROCESS					
COMPRESSOR, TWO STAGE, NO. 8, DUAL SEALS WITH BARRIER FLUID SYSTEM, RW-0059-087.32, 140000 CU.FT./HR A/N: 408310 Permit to Construct Issued: 01/21/09	D2807	D80 D525 D526 D527 D528 D847 D848 D875 D1067 D1069 D1072 D1073 D1074 D1075 D1078 D1079 D1084 D1085 D1089 D1092 D1093 D1098 D1103 D1106 D1111 D1120 D1139 D1141			E73.5, H23.33
DRUM, KNOCK OUT, VERTICAL, SFIA VAPOR RECOVERY WEST, RW-6968-289.02, HEIGHT: 16 FT ; DIAMETER: 7 FT A/N: 408310 Permit to Construct Issued: 01/21/09	D2808				
KNOCK OUT POT, BLOWDOWN, WEST, RVP 1067, LENGTH: 6 FT ; DIAMETER: 2 FT A/N: 408310 Permit to Construct Issued: 01/21/09	D1315				
VESSEL, SEPARATOR, STEAM-OIL, RVP 1069, HEIGHT: 8 FT ; DIAMETER: 4 FT A/N: 408310 Permit to Construct Issued: 01/21/09	D1316	D1067			

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 21: AIR POLLUTION CONTROL PROCESS					
KNOCK OUT POT, FIELD LOCATED WEST HEADER, RPV 2089, LENGTH: 10 FT ; DIAMETER: 4 FT A/N: 408310 Permit to Construct Issued: 01/21/09	D1319				
KNOCK OUT POT, BLOWCASE FOR RPV 1244, RPV 2699, LENGTH: 10 FT 5 IN; DIAMETER: 1 FT 4 IN A/N: 408310 Permit to Construct Issued: 01/21/09	D1320				
SCRUBBER, RPV 1011, WEST WET GAS, HEIGHT: 6 FT 10 IN; DIAMETER: 5 FT A/N: 408310 Permit to Construct Issued: 01/21/09	D1321				
SCRUBBER, RPV 1137, EAST WET GAS, HEIGHT: 6 FT 10 IN; DIAMETER: 5 FT A/N: 408310 Permit to Construct Issued: 01/21/09	D1322				
SCRUBBER, RPV 1055, DRY GAS, HEIGHT: 6 FT 10 IN; DIAMETER: 5 FT A/N: 408310 Permit to Construct Issued: 01/21/09	D1323				
SCRUBBER, CAUSTIC, RPV-1247, HEIGHT: 42 FT ; DIAMETER: 6 FT A/N: 408310 Permit to Construct Issued: 01/21/09	D1324				
KNOCK OUT POT, VAPOR RECOVERY, RPV 3268, HEIGHT: 7 FT ; DIAMETER: 4 FT A/N: 408310 Permit to Construct Issued: 01/21/09	D1325			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.12

- * (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 21: AIR POLLUTION CONTROL PROCESS					
SCRUBBER, RW 5794, WEST CAUSTIC, HEIGHT: 57 FT 2 IN; DIAMETER: 4 FT A/N: 408310 Permit to Construct Issued: 01/21/09	D1659				
SCRUBBER, (SPARE), RW5795, HEIGHT: 5 FT 6 IN; DIAMETER: 5 FT A/N: 408310 Permit to Construct Issued: 01/21/09	D1660				
FILTER, COALESCER A/N: 408310 Permit to Construct Issued: 01/21/09	D2098				
DRUM, KNOCK OUT, VERTICAL EAST HEADER SUCTION, RPV 7028, HEIGHT: 16 FT ; DIAMETER: 7 FT A/N: 408310 Permit to Construct Issued: 01/21/09	D2875				
TANK, 30-DAY OIL, RW-7035-289.02, HEIGHT: 5 FT ; DIAMETER: 1 FT 11 IN A/N: 408310 Permit to Construct Issued: 01/21/09	D2876				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 408310 Permit to Construct Issued: 01/21/09	D2545			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.3
System 5: FLUIDIZED FEED HDS FLARE SYSTEM					S31.10, S58.5

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 21: AIR POLLUTION CONTROL PROCESS					
FLARE, ELEVATED WITH STEAM INJECTION, NATURAL GAS, WITH 15 STEAM-AIR INJECTORS, 3 PILOT BURNERS & 24" MOLECULAR SEALS, HEIGHT: 215 FT ; DIAMETER: 2 FT A/N: 484941 Permit to Construct Issued: 09/30/08	C1326			CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D12.15, D90.18, D90.19, D323.1, E193.3, E193.18, H23.1, H23.12, H23.29, I1.1
KNOCK OUT POT, HDS AREA FLARE, RPV 4025, HEIGHT: 32 FT ; DIAMETER: 9 FT A/N: 484941 Permit to Construct Issued: 09/30/08	D1327			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.12
KNOCK OUT POT, HDS FLARE , RPV 730, HEIGHT: 40 FT ; DIAMETER: 12 FT 6 IN A/N: 484941 Permit to Construct Issued: 09/30/08	D1328			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.12
DRUM, WATER SEAL, RW 7026, LENGTH: 30 FT ; DIAMETER: 13 FT A/N: 484941 Permit to Construct Issued: 09/30/08	D2805				
VESSEL, AUTOPUMP, FFHDS FLARE, RW-6883-289.09, HEIGHT: 3 FT 11 IN; DIAMETER: 1 FT A/N: 484941 Permit to Construct Issued: 09/30/08	D2869				
VESSEL, AUTOPUMP, FFHDS FLARE, RW-6884-289.09, HEIGHT: 3 FT 11 IN; DIAMETER: 1 FT A/N: 484941 Permit to Construct Issued: 09/30/08	D2870				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.
- † This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 21: AIR POLLUTION CONTROL PROCESS					
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 484941 Permit to Construct Issued: 09/30/08	D2546			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.3
System 6: REFINERY FLARE NO.5 SYSTEM					S31.10, S58.6
FLARE, ELEVATED WITH STEAM INJECTION, NO.5 , WITH 3 PILOT ASSEMBLIES,FLAME FRONT GENERATOR& FLAME MONITOR, NATURAL GAS, WATER SEAL, MOLECULAR SEAL, REMOTE SMOKE DETECTOR& STEAM INJECTION CONTRL SYS, HEIGHT: 265 FT ; DIAMETER: 3 FT 6 IN A/N: 484942 Permit to Construct Issued: 09/30/08	C1661			CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B61.4, D12.15, D90.16, D323.1, E193.3, H23.1, H23.12, H23.29, I1.1
KNOCK OUT POT, NO.5 FLARE, RW 6135, HEIGHT: 30 FT ; DIAMETER: 12 FT A/N: 484942 Permit to Construct Issued: 09/30/08	D1662			BENZENE: (10) [40CFR 61 Subpart FF, #2, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.12
DRUM, WATER SEAL, RW 7025, LENGTH: 50 FT ; DIAMETER: 14 FT A/N: 484942 Permit to Construct Issued: 09/30/08	D2806				
VESSEL, AUTOPUMP, NO. 5 FLARE, RW-6881-289.09, HEIGHT: 3 FT 11 IN; DIAMETER: 1 FT A/N: 484942 Permit to Construct Issued: 09/30/08	D2871				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 21: AIR POLLUTION CONTROL PROCESS					
VESSEL, AUTOPUMP, NO. 5 FLARE, RW-6882-289.09, HEIGHT: 3 FT 11 IN; DIAMETER: 1 FT A/N: 484942 Permit to Construct Issued: 09/30/08	D2872				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 484942 Permit to Construct Issued: 09/30/08	D2547			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	
System 10: SOUTH AREA FLARE GAS RECOVERY SYSTEM					S15.40, S15.41, S31.10, S58.1
COMPRESSOR, THREE STAGE, FGR NO. 1, DUAL SEALS WITH BARRIER FLUID SYSTEM, RW-0060-087.32, 150000 CU.FT./HR A/N: 484943 Permit to Construct Issued: 09/30/08	D2797				E73.4, H23.33
KNOCK OUT POT, COMPRESSOR NO. 1 DISCHARGE, RW-6981-289.02, HEIGHT: 18 FT ; DIAMETER: 5 FT A/N: 484943 Permit to Construct Issued: 09/30/08	D2798				
VESSEL, AUTOPUMP, RW-6891-289.09, HEIGHT: 3 FT 11 IN; DIAMETER: 1 FT A/N: 484943 Permit to Construct Issued: 09/30/08	D2873				
TANK, 30-DAY OIL, RW-7036-289.02, COMMON TO NORTH AND SOUTH AREA FGRS, HEIGHT: 5 FT ; DIAMETER: 2 FT 5 IN A/N: 484943 Permit to Construct Issued: 09/30/08	D2877				

- * (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 21: AIR POLLUTION CONTROL PROCESS					
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 484943 Permit to Construct Issued: 09/30/08	D2799				H23.3
System 11: NORTH AREA FLARE GAS RECOVERY SYSTEM					S15.40, S15.41, S31.10, S58.1
COMPRESSOR, THREE STAGE, FGR NO 2, RW 0061-087.32, DUAL SEALS WITH BARRIER FLUID SYSTEM, 150000 CU.FT./HR A/N: 484944 Permit to Construct Issued: 09/30/08	D2800				E73.4, H23.33
KNOCK OUT POT, FGR COMPRESSOR NO 2 DISCHARGE, RW 6999-289.02, HEIGHT: 18 FT ; DIAMETER: 4 FT 6 IN A/N: 484944 Permit to Construct Issued: 09/30/08	D2801				
VESSEL, AUTOPUMP, RW-6901-289.09, HEIGHT: 3 FT 11 IN; DIAMETER: 1 FT A/N: 484944 Permit to Construct Issued: 09/30/08	D2874				
TANK, 30-DAY OIL, RW-7036-289.02, COMMON TO NORTH AND SOUTH AREA FGRS, HEIGHT: 5 FT ; DIAMETER: 2 FT 5 IN A/N: 484943 Permit to Construct Issued: 09/30/08	D2877				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 484944 Permit to Construct Issued: 09/30/08	D2802				H23.3

- * (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

**FACILITY PERMIT TO OPERATE
BP WEST COAST PROD.LLC BP CARSON REF.**

SECTION H: DEVICE ID INDEX

**The following sub-section provides an index
to the devices that make up the facility
description sorted by device ID.**

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D2	1	1	1
D8	1	1	1
D31	1	1	4
D35	2	1	5
D38	2	1	5
D39	2	1	5
D41	2	1	5
D42	2	1	5
D43	3	1	6
D44	3	1	6
D45	3	1	6
D46	3	1	6
D49	4	1	6
D56	4	1	6
D57	4	1	6
D58	4	1	6
D60	4	1	6
D111	5	2	6
D112	5	2	6
D113	5	2	6
D121	6	2	8
D121	10	2	9
D122	6	2	8
D122	10	2	9
D127	6	2	8
D127	11	2	9
D128	6	2	8
D128	11	2	9
D129	7	2	8
D129	11	2	9
D130	7	2	8
D130	11	2	9
D131	7	2	8
D131	11	2	9

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D132	7	2	8
D133	7	2	8
D134	7	2	8
D135	8	2	8
D136	8	2	8
D137	8	2	8
D138	8	2	8
D139	8	2	8
D140	8	2	8
D141	8	2	8
D142	9	2	8
D143	9	2	8
D144	9	2	8
D146	9	2	8
D147	12	2	9
D148	12	2	9
D149	12	2	9
D150	12	2	9
D158	12	2	11
D159	13	2	11
D160	13	2	11
D161	13	2	11
D162	13	2	11
D164	17	3	1
D165	18	3	1
D166	18	3	1
D167	19	3	1
D168	19	3	1
D169	20	3	1
D170	20	3	1
D172	20	3	1
D173	21	3	1
D174	21	3	1
D175	21	3	1

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D176	22	3	1
D177	22	3	1
D178	22	3	1
D179	22	3	1
D180	23	3	1
D181	23	3	1
D182	23	3	1
D183	23	3	1
D184	23	3	1
D185	23	3	1
D186	24	3	2
D187	25	3	2
D188	25	3	2
D189	29	3	2
D190	29	3	2
D191	26	3	2
D192	26	3	2
D193	26	3	2
D194	27	3	2
D195	27	3	2
D196	27	3	2
D197	27	3	2
D198	27	3	2
D199	27	3	2
D200	30	3	2
D201	28	3	2
D202	28	3	2
D203	28	3	2
D204	28	3	2
D205	28	3	2
D206	28	3	2
D207	29	3	2
D208	29	3	2
D217	30	3	3

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D234	31	3	5
S237	31	3	5
S238	31	3	5
S239	31	3	5
S240	31	3	5
D253	34	4	1
D254	34	4	1
D255	34	4	1
D256	35	4	1
D257	35	4	1
D258	35	4	1
D259	35	4	1
D260	35	4	1
D261	35	4	1
D262	36	4	1
D263	36	4	1
D264	36	4	1
D265	36	4	1
D267	36	4	1
D268	36	4	1
D269	37	4	1
D270	37	4	1
D272	37	4	1
D274	37	4	1
D275	37	4	1
D277	38	4	1
D278	38	4	1
D280	38	4	1
D281	38	4	1
D282	38	4	1
D283	38	4	1
D284	39	4	1
D287	43	4	1
D290	44	4	2

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D291	44	4	2
D354	47	5	3
D355	47	5	3
D357	47	5	3
D359	48	5	3
D360	48	5	3
D372	48	5	3
D373	48	5	3
D374	48	5	3
D375	48	5	3
D376	49	5	3
D401	49	5	4
D402	49	5	4
D403	49	5	4
D404	49	5	4
D405	49	5	4
D406	50	5	4
D407	50	5	4
D408	50	5	4
D411	50	5	4
D412	50	5	4
D413	50	5	4
D414	50	5	4
D415	51	5	4
D508	52	6	3
D509	53	6	3
C571	57	7	4
D572	57	7	4
D576	57	8	1
D577	57	8	1
D578	58	8	1
D579	58	8	1
D581	58	8	1
D582	58	8	1

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D583	58	8	1
D584	58	8	1
D593	58	8	1
D594	59	8	1
D595	59	8	1
D596	59	8	1
D597	59	8	1
D598	59	8	1
D599	59	8	1
D600	60	8	1
D601	60	8	1
D602	60	8	1
D603	60	8	1
D604	60	8	1
D607	61	8	2
D608	62	8	2
D610	62	8	2
D611	62	8	2
D612	62	8	2
D613	62	8	2
D614	62	8	2
D615	62	8	2
D616	63	8	2
D617	63	8	2
D619	63	8	2
D622	63	8	2
D623	63	8	2
D624	63	8	2
D626	64	8	3
D631	68	9	1
D632	69	9	1
D634	69	9	1
D635	69	9	1
D636	80	9	9

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D637	82	9	9
D638	69	9	1
D639	69	9	1
D640	69	9	1
D641	70	9	1
D642	70	9	1
D643	70	9	1
D644	70	9	1
D645	70	9	1
D646	70	9	1
D647	71	9	1
D648	71	9	1
D649	71	9	1
D650	71	9	1
D651	71	9	1
D652	71	9	1
D653	80	9	9
D655	80	9	9
D656	81	9	9
D657	81	9	9
D658	82	9	9
D659	72	9	1
D660	72	9	1
D661	72	9	1
D662	72	9	1
D663	72	9	1
D664	81	9	9
D665	73	9	1
D666	73	9	1
D667	73	9	1
D668	73	9	1
D669	73	9	1
D670	73	9	1
D671	78	9	2

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D672	78	9	2
D673	78	9	2
D674	78	9	2
D675	78	9	2
D676	79	9	2
D677	79	9	2
D678	79	9	2
D679	79	9	2
D680	79	9	2
D681	79	9	2
D682	79	9	2
D683	79	9	2
D684	80	9	2
D685	80	9	2
D706	83	10	1
D708	83	10	1
D780	88	12	14
D781	89	12	14
D791	84	12	9
D796	84	12	9
D796	87	12	10
D797	84	12	9
D797	86	12	10
D797	87	12	11
D797	88	12	12
D798	85	12	9
D798	86	12	10
D798	87	12	11
D798	88	12	12
D799	85	12	9
D799	86	12	10
D799	88	12	11
D799	88	12	12
D804	85	12	10

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D806	86	12	10
D807	86	12	10
D838	90	12	14
D838	92	12	15
D839	90	12	14
D839	93	12	15
D840	90	12	14
D840	92	12	15
D841	90	12	14
D841	93	12	15
D842	91	12	14
D842	93	12	15
D843	91	12	14
D843	93	12	15
D844	91	12	15
D895	94	13	5
C896	95	13	5
D897	95	13	5
D898	95	13	5
D898	98	13	7
D899	94	13	5
D900	96	13	5
D900	99	13	7
D901	96	13	5
D901	99	13	7
D903	95	13	5
D907	94	13	5
D908	97	13	5
D908	100	13	7
D909	97	13	5
D909	100	13	7
D917	100	14	2
D923	100	14	2
D924	101	14	2

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D1000	101	15	4
D1001	102	15	4
D1058	102	15	9
D1059	103	15	9
D1069	104	16	1
D1084	104	16	1
D1106	105	16	1
D1113	89	12	14
D1113	92	12	15
D1114	89	12	14
D1114	92	12	15
C1302	106	21	1
D1303	106	21	1
D1304	106	21	1
C1305	108	21	2
D1306	108	21	2
D1307	109	21	2
C1308	109	21	3
D1309	109	21	3
D1310	110	21	3
D1311	110	21	3
D1312	110	21	3
D1313	111	21	4
D1314	111	21	4
D1315	112	21	4
D1316	112	21	4
D1319	113	21	4
D1320	113	21	4
D1321	113	21	4
D1322	113	21	4
D1323	113	21	4
D1324	113	21	4
D1325	113	21	4
C1326	115	21	5

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D1327	115	21	5
D1328	115	21	5
D1336	16	3	1
D1337	18	3	1
D1338	18	3	1
D1339	18	3	1
D1340	19	3	1
D1341	19	3	1
D1342	20	3	1
D1343	20	3	1
D1344	20	3	1
D1345	21	3	1
D1346	21	3	1
D1347	21	3	1
D1348	22	3	1
D1349	22	3	1
D1350	24	3	2
D1351	25	3	2
D1352	25	3	2
D1353	25	3	2
D1354	26	3	2
D1355	26	3	2
D1356	26	3	2
D1361	31	3	5
D1362	32	3	5
D1364	40	4	1
D1365	40	4	1
D1366	40	4	1
D1367	40	4	1
D1368	40	4	1
D1369	41	4	1
D1372	41	4	1
D1373	41	4	1
D1374	41	4	1

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D1375	41	4	1
D1376	41	4	1
D1377	42	4	1
D1378	42	4	1
D1379	42	4	1
D1380	42	4	1
D1381	42	4	1
D1382	42	4	1
D1383	43	4	1
D1384	43	4	1
D1385	43	4	1
D1400	44	4	2
D1401	44	4	2
D1402	45	4	2
D1403	45	4	2
D1433	52	5	6
D1443	53	7	2
D1444	53	7	2
D1446	53	7	2
D1447	53	7	2
D1448	54	7	2
D1449	54	7	2
D1450	54	7	2
D1451	54	7	2
D1452	55	7	2
D1453	55	7	2
D1455	55	7	2
D1456	55	7	2
D1457	55	7	2
D1458	55	7	2
D1459	56	7	2
D1460	56	7	2
D1461	56	7	2
D1462	56	7	2

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D1463	56	7	2
D1464	56	7	2
D1470	61	8	1
D1471	61	8	1
D1479	65	9	1
D1480	65	9	1
D1481	65	9	1
D1482	65	9	1
D1483	65	9	1
D1484	65	9	1
D1485	65	9	1
D1486	66	9	1
D1487	66	9	1
D1488	66	9	1
D1489	66	9	1
D1490	66	9	1
D1491	66	9	1
D1492	66	9	1
D1493	67	9	1
D1494	67	9	1
D1495	67	9	1
D1496	67	9	1
D1497	67	9	1
D1498	67	9	1
D1499	68	9	1
D1500	68	9	1
D1501	68	9	1
D1502	68	9	1
D1508	81	9	9
D1509	81	9	9
D1512	82	9	9
D1513	82	9	9
D1517	76	9	1
D1520	68	9	1

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D1521	76	9	1
D1522	68	9	1
D1527	74	9	1
D1528	74	9	1
D1529	74	9	1
D1530	72	9	1
D1531	74	9	1
D1532	74	9	1
D1533	74	9	1
D1535	75	9	1
D1536	75	9	1
D1537	82	9	9
D1538	75	9	1
D1620	84	11	1
D1659	114	21	4
D1660	114	21	4
C1661	116	21	6
D1662	116	21	6
D1974	45	4	7
D1975	45	4	7
D1976	45	4	7
D1977	46	4	7
D1978	46	4	7
D1979	46	4	7
D1980	46	4	7
D1981	46	4	7
D1984	46	4	7
D1986	46	4	7
D2005	83	10	1
D2006	83	10	1
D2019	75	9	1
D2044	75	9	1
D2049	56	7	2
D2055	57	7	2

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D2070	64	8	2
D2098	114	21	4
D2143	104	15	10
D2146	75	9	1
D2147	76	9	1
D2148	76	9	1
D2369	76	9	1
D2370	76	9	1
D2371	76	9	1
D2372	77	9	1
D2373	77	9	1
D2382	24	3	1
D2387	24	3	1
D2405	98	13	7
C2406	98	13	7
D2407	98	13	7
D2408	98	13	7
D2409	96	13	5
D2409	99	13	7
D2410	97	13	5
D2410	99	13	7
D2411	97	13	5
D2411	100	13	7
D2412	97	13	7
C2446	103	15	9
D2458	30	3	2
D2462	3	1	5
D2463	4	1	6
D2469	6	2	6
D2470	13	2	11
D2471	24	3	1
D2472	30	3	2
D2473	31	3	3
D2474	45	4	2

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D2476	44	4	1
D2481	47	4	7
D2484	49	5	3
D2485	51	5	4
D2493	57	7	2
D2494	61	8	1
D2495	64	8	2
D2496	77	9	1
D2497	80	9	2
D2503	82	9	9
D2505	83	10	1
D2514	91	12	14
D2517	85	12	9
D2518	87	12	10
D2527	93	12	15
D2534	101	14	2
D2542	107	21	1
D2543	109	21	2
D2544	110	21	3
D2545	114	21	4
D2546	116	21	5
D2547	117	21	6
D2612	104	16	1
D2617	14	2	12
D2618	14	2	12
D2619	14	2	12
D2620	14	2	12
D2621	14	2	12
D2622	14	2	12
D2623	15	2	12
D2624	15	2	12
D2625	15	2	12
D2626	15	2	12
D2627	15	2	12

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D2628	40	4	1
D2641	9	2	8
D2642	10	2	8
D2643	10	2	8
D2644	10	2	8
D2648	51	5	4
D2649	105	19	2
D2650	105	19	2
C2651	32	3	5
D2652	34	3	10
S2653	32	3	5
D2658	33	3	8
D2659	33	3	8
D2660	33	3	8
C2661	33	3	8
C2662	33	3	8
C2663	34	3	8
D2664	77	9	1
D2665	77	9	1
D2666	78	9	1
D2667	78	9	1
D2668	94	13	5
D2669	95	13	5
D2670	95	13	5
D2671	96	13	5
D2671	98	13	7
D2672	96	13	5
D2672	99	13	7
C2673	96	13	5
C2673	99	13	7
D2712	85	12	9
D2712	87	12	10
D2719	81	9	9
D2720	82	9	9

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D2726	2	1	5
D2727	2	1	5
D2728	89	12	14
D2728	91	12	15
D2739	1	1	1
D2763	5	2	1
D2764	5	2	1
C2769	32	3	5
S2771	32	3	5
D2772	30	3	2
D2773	31	3	3
D2774	48	5	3
D2795	106	21	1
D2796	106	21	1
D2797	117	21	10
D2798	117	21	10
D2799	118	21	10
D2800	118	21	11
D2801	118	21	11
D2802	118	21	11
D2803	108	21	2
D2804	109	21	3
D2805	115	21	5
D2806	116	21	6
D2807	112	21	4
D2808	112	21	4
D2809	106	21	1
D2810	107	21	1
D2833	3	1	6
D2834	103	15	9
D2835	103	15	9
D2836	83	10	1
D2838	47	4	7
D2839	25	3	2

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D2841	18	3	1
D2842	19	3	1
D2843	19	3	1
D2844	47	5	3
D2845	23	3	1
D2857	94	12	18
D2858	94	12	18
D2863	107	21	1
D2864	107	21	1
D2865	108	21	2
D2866	108	21	2
D2867	110	21	3
D2868	110	21	3
D2869	115	21	5
D2870	115	21	5
D2871	116	21	6
D2872	117	21	6
D2873	117	21	10
D2874	118	21	11
D2875	114	21	4
D2876	114	21	4
D2877	117	21	10
D2877	118	21	11
C2886	103	15	9
D2889	77	9	1
D2890	77	9	1
D2892	54	7	2
D2893	54	7	2
D2894	39	4	1
D2895	39	4	1
D2896	39	4	1
D2897	39	4	1
D2898	39	4	1
D2899	43	4	1

**FACILITY PERMIT TO OPERATE
BP WEST COAST PROD.LLC BP CARSON REF.**

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D2900	43	4	1
D2901	44	4	1
D2902	104	15	12
D2903	61	8	1
D2904	61	8	1

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

FACILITY CONDITIONS

F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or

(b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

[RULE 401, 3-2-1984; RULE 401, 11-9-2001]

F14.1 The operator shall not use diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

This condition shall become effective on or after June 1, 2004.

[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]

F24.1 Accidental release prevention requirements of Section 112(r)(7):

a). The operator shall comply with the accidental release prevention requirements pursuant to 40 CFR Part 68 and shall submit to the Executive Officer, as a part of an annual compliance certification, a statement that certifies compliance with all of the requirements of 40 CFR Part 68, including the registration and submission of a risk management plan (RMP).

b). The operator shall submit any additional relevant information requested by the Executive Officer or designated agency.

[40CFR 68 - Accidental Release Prevention, 5-24-1996]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

- F25.1 The permit holder of this facility shall not install, alter, or operate a refinery process unit or other non-Rule 219 exempt equipment without a valid RECLAIM/Title V permit issued by the AQMD pursuant to Rule 201 - Permit to Construct, Rule 203 - Permit to Operate, Rule 2004 - Requirements, and Rule 3002 - Requirements, as applicable.

Notwithstanding the above, the provisions of Rules 201, 203, 2004, and 3002 shall not apply to installations or alterations that involve only the equipment listed in Table 1 below, nor shall they apply to the operation of equipment listed in Table 1, when directly associated with permitted process units or other permitted equipment.

Notwithstanding the above, all new equipment listed in Table 1, including associated fugitive components installed with such equipment, shall have Best Available Control Technology installed in conformance with the Best Available Control Technology Guidelines in effect at the time of the installation.

TABLE 1

- (a) Heat Exchanger (including air-cooler, reboiler, cooler, condenser, and shell and tube exchanger)
- (b) In-line Mixer
- (c) Pump
- (d) Knockout Pot - Compressor inlet (immediate inlet) and interstage
- (e) Knockout Pot - Fuel Gas System (downstream of fuel gas mix drums)

This condition applies only to the facility that processes petroleum as defined in the Standard Industrial Classification Manual as Industry No. 2911 - Petroleum Refining, as well as its directly associated sulfur recovery plant which may be located outside of the facility.

[RULE 2004, 5-11-2001; RULE 2004, 4-6-2007]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

- F34.1 The operator shall not sell refinery gas containing sulfur compounds in excess of 40 ppmv, calculated as hydrogen sulfide, averaged over 4-hour period.

[RULE 431.1, 6-12-1998]

- F52.1 This facility is subject to the applicable requirements of the following rules or regulation(s):

40CFR79

40CFR80

[40CFR 79, 7-1-1999; 40CFR 80, 7-1-1999]

- F52.2 This facility is subject to the applicable requirements of the following rules or regulation(s):

40CFR61, Subpart FF

Waste management units (as defined in Subpart FF) subject to the standards of Subpart FF are identified in the equipment specific section.

Other waste management units associated with waste streams are either exempt under 2 Mg/Yr limit or under the 10 PPMV limit, and are therefore not subject to the standards of Subpart FF. To demonstrate continued exemptions, the operator shall submit a copy of the annual NESHAP for Benzene Waste Operations report sent to the EPA to the District.

Exceeding the 2 Mg/Yr limit containing greater than 10 ppmw benzene shall be a violation of Subpart FF, unless the operator has notified the AQMD and the EPA prior to the start of the new year about their plans to change to another compliance option allowed by Subpart FF regulation. The notification to the AQMD shall also address the necessary permit modifications, including submitting any additional applications, resulting from the changes to the compliance option.

[40CFR 61 Subpart FF, 12-4-2003]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

F52.3 This facility is subject to the applicable requirements of the following rules or regulation(s):

CONSENT DECREE CIVIL NO. 2:96 CV 095 RL

CONSENT DECREE CIVIL NO. 2:96 CV 095 RL (Fourth Amendment)

40 CFR 60 Subpart A

40 CFR 61 Subpart A

40 CFR 63 Subpart A

[40CFR 60 Subpart A, 6-13-2007; 40CFR 61 Subpart A, 5-16-2007; 40CFR 63 Subpart A, 5-16-2007; CONSENT DECREE CIVIL NO. 2:96 CV 095 RL, 8-29-2001; CONSENT DECREE CIVIL NO. 2:96 CV 095 RL (Fourth Amendment), 10-7-2005]

F60.1 The emission limits identified in Section D and H of the permit shall be defined as emissions discharged to the atmosphere from the originating equipment.

SYSTEM CONDITIONS

S1.1 The operator shall limit the material processed to no more than 6000 ton(s) in any one day.

For the purpose of this condition, material processed shall be defined as the total amount of petroleum coke loaded into trucks through the four load out weigh hoppers, 1A/B and 2A/B, in short tons.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 2, System 12]

S2.1 The operator shall limit emissions from this system as follows

CONTAMINANT	EMISSIONS LIMIT
-------------	-----------------

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

VOC | Less than 2.5 lbs/mmcsf of hydrogen produced

[RULE 1189, 1-21-2000]

[Systems subject to this condition : Process 7, System 1 , 2]

S4.3 The following condition(s) shall apply to all affected devices listed under Section H of this system for fugitive emissions of volatile organic compounds (VOC):

All open-ended valves shall be equipped with cap, blind flange, plug, or a second valve.

All pressure relief valves shall be connected to closed vent system or equipped with rupture disc.

All sampling connections shall be closed-purge, closed-loop, or closed-vent system.

All process drains shall be equipped with water seal, or a closed vent system and control device complying with the requirements of 40CFR60 Subpart QQQ section 60.692-5.

[RULE 1173, 5-13-1994; RULE 1173, 2-6-2009; 40CFR 60 Subpart QQQ, 10-17-2000]

[Systems subject to this condition : Process 4, System 1; Process 6, System 3]

S4.4 The following condition(s) shall apply to all affected devices listed under Section H of this system for fugitive emissions of volatile organic compounds (VOC):

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

All components are subject to District Rule 1173 and 40CFR60, Subpart GGG.

All new components in VOC service as defined in Rule 1173, except valves and flanges shall be inspected quarterly using EPA reference method 21. All new valves and flanges in VOC service except those specifically exempted by Rule 1173 shall be inspected monthly using EPA Method 21.

All new valves in VOC service shall be of leakless type, except those specifically exempted by Rule 1173 or approved by the District in writing in the following applications: heavy liquid service, control valves, instrument piping/tubing, applications requiring torsional valve stem motion, applications where failures could pose safety hazards (e.g. drain valves with valve stems in horizontal position), retrofits with space limitations, and valves not commercially available.

For the purpose of this condition, leakless valve shall be defined as any valve equipped with sealed bellow or equivalent as approved in writing by the District prior to installation.

If 98.0 percent or greater of the new valve and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppm for two consecutive months, then the operator may revert to a quarterly inspection program with the approval of the executive officer. This condition shall not apply to leakless valves.

All new components in VOC service, a leak greater than 500 ppm but less than 1,000 ppm measured as methane above background as measured using EPA Method 21, shall be repaired within 14 days of detection. Components shall be defined as any valve, fitting, pump, compressor, pressure relief device, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173.

The operator shall keep records of the monthly inspection (and quarterly where applicable), subsequent repair, and reinspection, in a manner approved by the District.

The operator shall provide to the District, no later than 90 days after initial startup, a recalculation of the fugitive emissions based on actual components

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

installed and removed from service. The operator shall also submit a complete, as built, piping and instrumentation diagram(s) and copies of requisition data sheet for all non-leakless type valves with a listing of tag numbers and reasons why leakless valves were not used.

[RULE 1173, 5-13-1994; RULE 1173, 2-6-2009; RULE 1303(a)(1)-BACT, 5-10-1996; 40CFR 60 Subpart GGG, 6-2-2008]

[Systems subject to this condition : Process 4, System 1; Process 6, System 3]

S7.1 The following conditions shall apply to all coke handling and related devices from this system:

The operator shall submit an application for a permit to construct for a modification of the coke handling and storage system (Process 2 System 8) prior to the construction of this system for compliance with Rule 1158.

To comply with Rule 1158(d)(10), the operator shall install and operate a fog spray system at each material transfer point such that the transferring of petroleum coke shall not cause any visible airborne dust at the transfer point for more than three minutes in any one hour.

If this facility is operated in violation of this condition for visible emission, the operator shall provide covers or total enclosure on all transfer points except those between the weigh hoppers and the truck trailers, for which the operator shall provide loading socks to reduce airborne dust by totally enclosing the dropping materials above the slot-top cover.

The operator shall install and operate a fog spray system at each opening of the station building. The entrance and exit of the station building for trucks shall have overlapping flaps which shall remain closed when sustained wind speed exceeds 5 miles per hour or when wind gusts exceed 25 miles per hour.

For the purpose of this condition, transfer point shall be defined as the point where petroleum coke is dropped from the conveyor into the load out bin, from the load out bin into the weigh hopper, or from the weigh hopper into the truck trailer.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[RULE 1158, 7-11-2008]

[Systems subject to this condition : Process 2, System 12]

- S7.2 The following conditions shall apply to all coke handling and related devices from this system:

The operator shall install and operate a fog spray system at each opening of the building. The entrance and exit of the building shall have doors or overlapping flaps which shall remain closed at all times except to allow vehicles to enter or leave.

The coke barn shall not be used for loading or unloading petroleum coke into or out of transporting trucks.

[RULE 1158, 7-11-2008]

[Systems subject to this condition : Process 2, System 8]

- S7.3 The following conditions shall apply to all coke handling and related devices from this system:

Truck loading may only be done during periods when section(s) of its coke conveying system is undergoing emergency, breakdown, malfunction, maintenance and/or other repair conditions. Such loading operation shall not be done simultaneously with truck loading operation at Process 2, System 9 or Process 2, System 12.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 2, System 8]

- S7.4 The following conditions shall apply to all coke handling and related devices from this system:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Truck loading may only be done during periods when coke conveyance and/or loading system of Process 2, System 8 or Process 2, System 12 is undergoing emergency, breakdown, malfunction, maintenance and/or other repair conditions. Such loading operation shall not be done simultaneously with truck loading operation at Process 2, System 8 or Process 2, System 12.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 2, System 9]

- S7.5 The following conditions shall apply to all coke handling and related devices from this system:

Truck loading shall not be done simultaneously with truck loading operation at Process 2, System 8 or Process 2, System 9.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 2, System 12]

- S11.1 The operator shall comply with all applicable mitigation measures stipulated in the "Statement of Findings, Statement of Overriding Considerations, and Mitigation Monitoring Plan" document which is part of the AQMD Certified Final Environmental Impact Report dated 03-sep-1997 for this facility.

This condition shall only apply to equipment listed in Section H of this facility permit.

[CA PRC CEQA, 11-23-1970]

[Systems subject to this condition : Process 5, System 4]

- S13.1 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	District Rule	1158

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[RULE 1158, 7-11-2008]

[Systems subject to this condition : Process 2, System 8 , 9 , 12]

- S13.2 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1123

[RULE 1123, 12-7-1990]

[Systems subject to this condition : Process 1, System 1 , 2 , 3 , 5 , 6; Process 2, System 1 , 2 , 3 , 5 , 6 , 11; Process 3, System 1 , 2 , 3; Process 4, System 1 , 2 , 3 , 4 , 5 , 7 , 8 , 9; Process 5, System 1 , 2 , 3 , 4 , 5; Process 6, System 1 , 2 , 3; Process 7, System 1 , 2; Process 8, System 1 , 2; Process 9, System 1 , 2 , 6 , 7 , 8 , 9 , 10; Process 10, System 1 , 2 , 3; Process 11, System 1; Process 12, System 4 , 5 , 7 , 8 , 9 , 10 , 11 , 12 , 13 , 14 , 15]

- S13.3 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	463
VOC	District Rule	1149
VOC	District Rule	1178

[RULE 1149, 5-2-2008; RULE 1178, 4-7-2006; RULE 463, 5-6-2005]

[Systems subject to this condition : Process 16, System 2 , 3]

- S13.4 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
-------------	------	--------------

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

VOC	District Rule	1189
-----	---------------	------

[RULE 1189, 1-21-2000]

[Systems subject to this condition : Process 7, System 1 , 2]

S13.5 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	464

[RULE 464, 12-7-1990]

[Systems subject to this condition : Process 15, System 10]

S13.6 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	464
VOC	District Rule	1176

[RULE 1176, 9-13-1996; RULE 464, 12-7-1990]

[Systems subject to this condition : Process 15, System 1 , 2 , 3 , 4 , 5 , 6 , 7 , 8 , 9]

S13.8 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	463
VOC	District Rule	1178

[RULE 1178, 4-7-2006; RULE 463, 5-6-2005]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[Systems subject to this condition : Process 16, System 1]

S13.10 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
SOX	40CFR60, SUBPART	J

[40CFR 60 Subpart J, 6-24-2008]

[Systems subject to this condition : Process 13, System 1 , 2 , 3 , 4]

S13.11 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	463
VOC	District Rule	1149
VOC	District Rule	1178

For Rule 463 applicability, only subdivision (d) in the March 11, 1994 amendment, or equivalent requirements in the future amendments, shall apply to domed external floating roof tanks. This does not preclude any requirements specified in Rule 1178.

[RULE 1149, 5-2-2008; RULE 1178, 4-7-2006; RULE 463, 5-6-2005]

[Systems subject to this condition : Process 16, System 4]

S13.12 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1176

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[RULE 1176, 9-13-1996]

[Systems subject to this condition : Process 12, System 16 , 17]

- S13.13 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
HAPs	40CFR63, SUBPART	EEEE

[40CFR 63 Subpart EEEE, 7-28-2006]

[Systems subject to this condition : Process 14, System 2]

- S15.1 The vent gases from all affected devices of this process/system shall be vented as follows:

All acid gases under normal operating conditions shall be directed to the sulfur recovery units.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 12, System 9 , 10 , 11 , 12 , 13]

- S15.2 The vent gases from all affected devices of this process/system shall be vented as follows:

All sour gases shall be directed to the naphtha isomerization system.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 5, System 5]

- S15.6 The vent gases from all affected devices of this process/system shall be vented as follows:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

All sour gases shall be directed to amine contactor system located within this system.

This process/system shall not be operated unless the amine contactor system is in full use and has a valid permit to receive vent gases from this system.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 2, System 11; Process 3, System 2; Process 4, System 3; Process 5, System 2, 3, 4; Process 6, System 1, 2; Process 8, System 2; Process 9, System 8]

S15.7 The vent gases from all affected devices of this process/system shall be vented as follows:

All sour gases shall be directed to amine contactor system located within this system and the hydrocracker fractionation system.

This process/system shall not be operated unless the amine contactor system is in full use and has a valid permit to receive vent gases from this system.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 5, System 1]

S15.30 The vent gases from all affected devices of this process/system shall be vented as follows:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

All tail gas from the sulfur recovery unit(s) shall be vented to the tail gas unit No.1 or No.2 followed by incinerator No.1 or No.2 during normal operation. The sulfur recovery unit(s) may bypass tail gas unit No. 1 or No. 2 and vent directly to incinerator No. 1 or No. 2, only during startup/shutdown or emergency. Sour gas or tail gas shall be vented to the flare only during emergency.

All vent gases from the sulfur degassing tank shall be directed to the tail gas unit No.1 or No.2 , except during startup/shutdown or emergency.

This process/system shall not be operated unless the tail gas unit No.1 or No.2 and the incinerator No.1 or No.2 are in full use and have a valid permit to receive vent gases from this system.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Systems subject to this condition : Process 13, System 1 , 2 , 3 , 4]

S15.31 The vent gases from all affected devices of this process/system shall be vented as follows:

All waste gases generated from this system shall be directed to a thermal oxidizer or fuel gas combustion device which is in full use, has a valid permit to receive vent gases from this system, and complies with all applicable rules and regulations including 40CFR60, Subpart J limits and monitoring requirements.

All waste gas generated from this system shall be considered as fuel gas as defined in 40CFR60, Subpart J. Therefore, the vent gases are, when directed to a thermal oxidizer or fuel gas combustion device, subject to the H₂S limits of Subpart J.

[40CFR 60 Subpart J, 6-24-2008]

[Systems subject to this condition : Process 9, System 1]

S15.40 The vent gases from all affected devices of this process/system shall be vented as follows:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

All sour gases during normal operation shall be directed to the sour gas treating system located in the Coker Unit (Process 2, System 11).

This process/system shall not be operated unless the above equipment is in full use and has a valid permit to receive vent gases from this system.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 21, System 10 , 11]

S15.41 The vent gases from all affected devices of this process/system shall be vented as follows:

All emergency vent gases shall be directed to a flare.

This process/system shall not be operated unless the above air pollution control equipment is in full use and has a valid permit to receive vent gases from this system.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 21, System 10 , 11]

S15.51 The vent gases from all affected devices of this process/system shall be vented as follows:

All vent gases under normal operating conditions shall be directed to a vapor recovery system, except Devices ID D1201, D1652, D1653, D1654 & D1655 shall be directed to the coker blowdown recovery system, and under emergency conditions, these devices shall be vented to the atmosphere.

This process/system shall not be operated unless the vapor recovery system (consisting of three compressors operated independently or concurrently at any given time) is in full use and has a valid permit to receive vent gases from this system.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[Systems subject to this condition : Process 16, System 3]

- S18.1 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

Claus Sulfur Recovery Facility "A" (Process: 13, System: 1)

Claus Sulfur Recovery Facility "B" (Process: 13, System: 2)

Claus Sulfur Recovery Facility "C" (Process: 13, System: 3)

Claus Sulfur Recovery Facility "D" (Process: 13, System: 4)

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 2011, 5-6-2005]

[Systems subject to this condition : Process 13, System 5 , 7]

- S18.5 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Methyldiethanolamine Regeneration System No. 1 (Process: 12, System: 9)

Methyldiethanolamine Regeneration System No. 2 (Process: 12, System: 10)

Methyldiethanolamine Regeneration System No.3 (Process: 12, System: 11)

Methyldiethanolamine Regeneration System No. 4 (Process: 12, System: 12)

Methyldiethanolamine Regeneration System No. 5 (Process: 12, System: 13)

North & South Sour Water Treatment Systems (Process: 12, System: 14 & 15)

Claus Tail Gas Treating Unit No. 2 (Process: 13, System: 5)

Claus Tail Gas Treating Unit No. 1 (Process: 13, System: 7)

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 13, System 1 , 2 , 3 , 4]

- S18.6 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Crude Distillation Units (Process: 1, System: 1, 2 & 3))

Vacuum Distillation Units (Process: 1, System: 5 & 6)

Slop Oil Rerun Unit (Process: 1, System: 7)

Coking Units (Process: 2, System: 1 & 2)

Coker Blowdown Facility (Process: 2, System: 3)

Coker Gas Compression Systems (Process: 2, System: 5 & 6)

Coker Gas Treating Unit (Process: 2, System: 11)

Fluid Catalytic Cracking Unit (Process: 3, System: 1 & 2)

FCCU Gas Compression & Hydrogen Sulfide Removal Unit (Process: 3, System: 3)

FCCU Catalyst Handling Facility (Process: 3, System: 4)

Propylene Tetramer Unit (Process: 3, System: 6)

FCCU Heaters (Process: 3, System: 7)

Superfractionation Unit (Process: 4, System: 1)

Naphtha Splitter Unit (Process: 4, System: 2)

Light Ends Depropanizer Units (Process: 4, System: 3 & 4)

North Area Deisobutanizer Unit (Process: 4, System: 5)

Coker Gasoline Fractionation Unit (Process: 4, System: 7)

Liquid Recovery Unit (Process: 4, System: 8)

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Propane/Propylene Splitter Unit (Process: 4, System: 9)

Jet Fuel Hydrotreating Unit (Process: 5, System: 1)

Mid-Barrel Desulfurizer Unit (Process: 5, System: 2)

Fluid Feed HDS Unit (Process: 5, System: 3)

Light Gasoline Hydrogenation unit (Process: 5, System: 4)

Naphtha HDS Unit (Process: 5, System: 5)

Catalytic Reformer Units (Process: 6, System: 1, 2 & 3)

Hydrogen Plant (Process: 7, System: 1)

Hydrogen Unit No. 2 (Process: 7, System: 2)

Hydrocracking Units (Process: 8, System: 1 & 2)

C4 Alkylation Unit (Process: 9, System: 1)

Catalytic Polymerization Unit (Process: 9, System: 2)

C5 Alky Depentanizer Unit (Process: 9, System: 6)

Naphtha Isomerization Unit (Process: 9, System: 8)

Iso-Octene Unit (Process: 9, System: 9)

Butane Isomerization Unit (Process: 9, System: 10)

Fuel Gas Mix System (Process: 10, System: 1)

LPG Recovery System (Process: 10, System: 2)

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Liquid Petroleum Gas Drying Facility (Process: 10, System: 3)

Gasoline Blending Unit (Process: 11, System: 1)

Petresco Stove Oil-Treaters No. 1, 2 & 4 (Process: 12, System: 1, 2 & 3)

Catalytic Rerun Gasoline Treating Unit (Process: 12, System: 4)

Straight Run Gasoline Treating Unit (Process: 12, System: 5)

Fixed Bed Merox Treating Unit (Process: 12, System: 7)

UOP Merox Treating Unit (Process: 12, System: 8)

MDEA Regeneration Systems No. 1, 2, 3, 4 & 5 (Process: 12, System: 9, 10, 11, 12 & 13)

North & South Sour Water Treatment Systems (Process: 12, System: 14 & 15)

Sour Water Treater (Process: 12, System: 16)

Sour Water Oxidizer No. 3 (Process: 12, System: 17)

Spent Caustic Separation System (Process: 12, System: 20)

Diesel Oil Dehazing Facility (Process: 12, System: 22)

Refinery Gas Treating Units (Process: 12, System: 24 & 25)

Spent Acid Storage Facility (Process: 12, System: 27)

Mixed Light Ends Tank Car Loading/Unloading (Process: 14, System: 2)

LPG Tank Truck Loading/Unloading Rack (Process: 14, System: 10)

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

LPG Rail Car Load/Unloading Rack (Process: 14, System: 11)

Oil Water Treating (Benzene Neshaps) System (Process: 15, System: 7)

Waste Oil Recovery Unit (Process: 15, System: 8)

Fixed Roof Tanks (Process: 16, System: 1)

Pressurized Tanks (Process: 16, System: 3)

No. 4 Steam Plant (Process: 18, System: 1)

South Area Flare System (Process: 21, System: 1)

FCCU Flare System (Process: 21, System: 2)

Refinery Vapor Recovery System (Process: 21, System: 4)

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 21, System 4]

S18.7 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Crude Distillation Units (Process: 1, System: 1, 2 & 3))

Vacuum Distillation Units (Process: 1, System: 5 & 6)

Slop Oil Rerun Unit (Process: 1, System: 7)

Coking Unit (Process: 2, System: 2)

Coker Blowdown Facility (Process: 2, System: 3)

Coker Gas Compression System (Process: 2, System: 5)

Superfractionation Unit (Process: 4, System: 1)

Naphtha Splitter Unit (Process: 4, System: 2)

Naphtha HDS Unit (Process: 5, System: 5)

C5 Alky Depentanizer Unit (Process: 9, System: 6)

Naphtha Isomerization Unit (Process: 9, System: 8)

MDEA Regeneration Systems No. 1, 2, 3, 4 & 5 (Process: 12, System: 9, 10, 11, 12 & 13)

North & South Sour Water Treatment Systems (Process: 12, System: 14 & 15)

Oil Water Treating (Benzene Neshaps) System (Process: 15, System: 7)

Pressurized Tanks (Process: 16, System: 3)

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 2, System 6]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

- S18.8 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

Delayed Coking Unit No. 1 (Process: 2, System: 1)

Delayed Coking Unit No. 2 (Process: 2, System: 2)

Blowdown Gas Compression System (Process: 2, System: 6)

Superfractionation Unit (Process: 4, System: 1)

Coker Gasoline Fractionation Unit (Process: 4, System: 7)

Naphtha HDS Unit (Process: 5, System: 5)

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 2, System 5]

- S18.9 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

Delayed Coker Gas Compression Unit (Process: 2, System: 5)

Coker Gasoline Fractionation Unit (Process: 4, System: 7)

Naphtha HDS Unit (Process: 5, System: 5)

C4 Alkylation Unit (Process: 9, System: 1)

Flare Gas Recovery System (Process: 21, System: 10 & 11))

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 2, System 11]

**FACILITY PERMIT TO OPERATE
BP WEST COAST PROD.LLC BP CARSON REF.**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

S31.1 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 410695 and 400672:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

All open-ended valves shall be equipped with cap, blind flange, plug, or a second valve.

All pressure relief valves shall be connected to closed vent system or equipped with rupture disc.

All sampling connections shall be closed-purge, closed-loop, or closed-vent system.

All components in VOC service, a leak greater than 500 ppm but less than 1,000 ppm measured as methane above background as measured using EPA Method 21, shall be repaired within 14 days of detection. A leak greater than 1,000 ppm shall be repaired according to Rule 1173.

If 98.0 percent or greater of the new valve and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppm for two consecutive months, then the operator may revert to a quarterly inspection program with the approval of the executive officer. This condition does not apply to leakless valves.

All valves in VOC service shall be of leakless type, except those specifically exempted by Rule 1173 or approved by the District in the following applications: heavy liquid service, control valves, instrument piping/tubing, applications requiring torsional valve stem motion, applications where failures could pose safety hazards (e.g. drain valves with valve stems in horizontal position), retrofits with space limitations, and valves not commercially available.

The operator shall keep records of the monthly inspection (and quarterly where applicable), subsequent repair, and reinspection, in a manner approved by the District.

The operator shall provide to the District, no later than 90 days after initial startup, a recalculation of the fugitive emissions based on actual components installed and removed from service. The operator shall also submit a complete, as built, piping and instrumentation diagram(s) and copies of requisition data sheets for all non-leakless type valves with a listing of tag numbers and reasons why

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

leakless valves were not used.

All process drains shall be equipped with water seal, or a closed vent system and control device complying with the requirements of 40CFR60 Subpart QQQ Section 60.692-5.

For the purpose of this condition, leakless valve shall be defined as any valve equipped with sealed bellow or equivalent as approved in writing by the District prior to installation. Components shall be defined as any valve, flange, fitting, pump, compressor, pressure relief device, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173.

All components in VOC service, except valves and flanges shall be inspected quarterly using EPA reference method 21. All valves and flanges in VOC service except those specifically exempted by Rule 1173 shall be inspected monthly using EPA Method 21.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 5, System 4; Process 9, System 1]

S31.2 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 397243:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

All open-ended valves shall be equipped with cap, blind flange, plug, or a second valve.

All pressure relief valves shall be connected to closed vent system or equipped with rupture disc.

All process drains shall be equipped with water seal, or a closed vent system and control device complying with the requirements of 40CFR60 Subpart QQQ Section 60.692-5.

All sampling connections shall be closed-purge, closed-loop, or closed-vent system.

All valves in VOC service shall be of leakless type, except those specifically exempted by Rule 1173 or approved by the District in the following applications: heavy liquid service, control valves, instrument piping/tubing, applications requiring torsional valve stem motion, applications where failures could pose safety hazards (e.g. drain valves with valve stems in horizontal position), retrofits with space limitations, and valves not commercially available.

For the purpose of this condition, leakless valve shall be defined as any valve equipped with sealed bellow or equivalent as approved in writing by the District prior to installation. Components shall be defined as any valve, flange, fitting, pump, compressor, pressure relief device, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173.

All components in VOC service, except valves and flanges shall be inspected quarterly using EPA reference method 21. All valves and flanges in VOC service except those specifically exempted by Rule 1173 shall be inspected monthly using EPA Method 21.

All components in VOC service, a leak greater than 500 ppm but less than 1,000 ppm measured as methane above background as measured using EPA Method 21, shall be repaired within 14 days of detection. A leak greater than 1,000 ppm shall be repaired according to Rule 1173.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

If 98.0 percent or greater of the new valve and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppm for two consecutive months, then the operator may revert to a quarterly inspection program with the approval of the executive officer. This condition does not apply to leakless valves.

The operator shall keep records of the monthly inspection (and quarterly where applicable), subsequent repair, and reinspection, in a manner approved by the District.

The operator shall provide to the District, no later than 90 days after initial startup, a recalculation of the fugitive emissions based on actual components installed and removed from service. The operator shall also submit a complete, as built, piping and instrumentation diagram(s) and copies of requisition data sheets for all non-leakless type valves with a listing of tag numbers and reasons why leakless valves were not used.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 3, System 2]

S31.3 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 397244:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

All open-ended valves shall be equipped with cap, blind flange, plug, or a second valve.

All pressure relief valves shall be connected to closed vent system or equipped with rupture disc.

All process drains shall be equipped with water seal, or a closed vent system and control device complying with the requirements of 40CFR60 Subpart QQQ Section 60.692-5.

All sampling connections shall be closed-purge, closed-loop, or closed-vent system.

All valves in VOC service shall be of leakless type, except those specifically exempted by Rule 1173 or approved by the District in the following applications: heavy liquid service, control valves, instrument piping/tubing, applications requiring torsional valve stem motion, applications where failures could pose safety hazards (e.g. drain valves with valve stems in horizontal position), retrofits with space limitations, and valves not commercially available.

For the purpose of this condition, leakless valve shall be defined as any valve equipped with sealed bellow or equivalent as approved in writing by the District prior to installation. Components shall be defined as any valve, flange, fitting, pump, compressor, pressure relief device, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173.

All components in VOC service, except valves and flanges shall be inspected quarterly using EPA reference method 21. All valves and flanges in VOC service except those specifically exempted by Rule 1173 shall be inspected monthly using EPA Method 21.

All components in VOC service, a leak greater than 500 ppm but less than 1,000 ppm measured as methane above background as measured using EPA Method 21, shall be repaired within 14 days of detection. A leak greater than 1,000 ppm shall be repaired according to Rule 1173.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

If 98.0 percent or greater of the new valve and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppm for two consecutive months, then the operator may revert to a quarterly inspection program with the approval of the executive officer. This condition does not apply to leakless valves.

The operator shall keep records of the monthly inspection (and quarterly where applicable), subsequent repair, and reinspection, in a manner approved by the District.

The operator shall provide to the District, no later than 90 days after initial startup, a recalculation of the fugitive emissions based on actual components installed and removed from service. The operator shall also submit a complete, as built, piping and instrumentation diagram(s) and copies of requisition data sheets for all non-leakless type valves with a listing of tag numbers and reasons why leakless valves were not used.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 9, System 2]

S31.4 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 427414:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

For the purpose of this condition, leakless valve shall be defined as any valve equipped with sealed bellow or equivalent as approved in writing by the District prior to installation. Components shall be defined as any valve, flange, fitting, pump, compressor, pressure relief device, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173.

The operator shall keep records of the monthly inspection (and quarterly where applicable), subsequent repair, and reinspection, in a manner approved by the District.

All process drains shall be equipped with water seal, or a closed vent system and control device complying with the requirements of 40CFR60 Subpart QQQ Section 60.692-5.

All components in VOC service, except valves and flanges shall be inspected quarterly using EPA reference method 21. All valves and flanges in VOC service except those specifically exempted by Rule 1173 shall be inspected monthly using EPA Method 21.

If 98.0 percent or greater of the new valve and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppm for two consecutive months, then the operator may revert to a quarterly inspection program with the approval of the executive officer. This condition does not apply to leakless valves.

All valves in VOC service shall be of leakless type, except those specifically exempted by Rule 1173 or approved by the District in the following applications: heavy liquid service, control valves, instrument piping/tubing, applications requiring torsional valve stem motion, applications where failures could pose safety hazards (e.g. drain valves with valve stems in horizontal position), retrofits with space limitations, and valves not commercially available.

The operator shall provide to the District, no later than 90 days after initial startup, a recalculation of the fugitive emissions based on actual components installed and removed from service. The operator shall also submit a complete, as built, piping and instrumentation diagram(s) and copies of requisition data sheets

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

for all non-leakless type valves with a listing of tag numbers and reasons why leakless valves were not used.

All open-ended valves shall be equipped with cap, blind flange, plug, or a second valve.

All pressure relief valves shall be connected to closed vent system or equipped with rupture disc.

All sampling connections shall be closed-purge, closed-loop, or closed-vent system.

All components in VOC service, a leak greater than 500 ppm but less than 1,000 ppm measured as methane above background as measured using EPA Method 21, shall be repaired within 14 days of detection. A leak greater than 1,000 ppm shall be repaired according to Rule 1173.

All components are subject to 40CFR60, Subpart GGG

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 9, System 9]

S31.5 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 425810:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

For the purpose of this condition, leakless valve shall be defined as any valve equipped with sealed bellow or equivalent as approved in writing by the District prior to installation. Components shall be defined as any valve, flange, fitting, pump, compressor, pressure relief device, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173.

The operator shall keep records of the monthly inspection (and quarterly where applicable), subsequent repair, and reinspection, in a manner approved by the District.

All components in VOC service, except valves and flanges shall be inspected quarterly using EPA reference method 21. All valves and flanges in VOC service except those specifically exempted by Rule 1173 shall be inspected monthly using EPA Method 21.

If 98.0 percent or greater of the new valve and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppm for two consecutive months, then the operator may revert to a quarterly inspection program with the approval of the executive officer. This condition does not apply to leakless valves.

All valves in VOC service shall be of leakless type, except those specifically exempted by Rule 1173 or approved by the District in the following applications: heavy liquid service, control valves, instrument piping/tubing, applications requiring torsional valve stem motion, applications where failures could pose safety hazards (e.g. drain valves with valve stems in horizontal position), retrofits with space limitations, and valves not commercially available.

The operator shall provide to the District, no later than 90 days after initial startup, a recalculation of the fugitive emissions based on actual components installed and removed from service. The operator shall also submit a complete, as built, piping and instrumentation diagram(s) and copies of requisition data sheets for all non-leakless type valves with a listing of tag numbers and reasons why leakless valves were not used.

All open-ended valves shall be equipped with cap, blind flange, plug, or a second

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

valve.

All pressure relief valves shall be connected to closed vent system or equipped with rupture disc.

All sampling connections shall be closed-purge, closed-loop, or closed-vent system.

All components in VOC service, a leak greater than 500 ppm but less than 1,000 ppm measured as methane above background as measured using EPA Method 21, shall be repaired within 14 days of detection. A leak greater than 1,000 ppm shall be repaired according to Rule 1173.

All components are subject to 40CFR60, Subpart GGG

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 1, System 5]

S31.6 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 434526, 434527, 434528, 436040, 436041 and 454560:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The operator shall provide to the District, no later than 60 days after initial startup, a recalculation of the fugitive emissions based on actual components installed and removed from service. The valves and flanges shall be categorized by size and service. The operator shall submit a listing of all new non-bellows seal valves which shall be categorized by tag no., size, type, operating temperature, operating pressure, body material, application, and reasons why bellows seal valves were not used

All new valves in VOC service, except those specifically exempted by Rule 1173 and those in heavy liquid service as defined in Rule 1173, shall be bellows seal valves, except as approved by the District, in the following applications: heavy liquid service, control valve, instrument piping/tubing, applications requiring torsional valve stem motion, applications where valve failure could pose safety hazard (e.g., drain valves with valve stems in horizontal position), retrofits/special applications with space limitations, and valves not commercially available

All new valves and major components in VOC service as defined by Rule 1173, except those specifically exempted by Rule 1173 and those in heavy liquid service as defined in Rule 1173, shall be distinctly identified from other components through their tag numbers (e.g., numbers ending in the letter "N"), and shall be noted in the records

All new components in VOC service as defined in Rule 1173, except valves and flanges, shall be inspected quarterly using EPA reference Method 21. All new valves and flanges in VOC service, except those specifically exempted by Rule 1173, shall be inspected monthly using EPA Method 21

If 98.0 percent or greater of the new (non-bellows seal) valves and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppmv for two consecutive months, then the operator may change to a quarterly inspection program with the approval of the District

The operator shall revert from quarterly to monthly inspection program if less than 98.0 percent of the new (non-bellows seal) valves and the new flange population inspected is found to leak gaseous or liquid volatile organic

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

compounds at a rate less than 500 ppmv

All new components in VOC service with a leak greater than 500 ppmv but less than 1,000 ppmv, as methane, measured above background using EPA Method 21 shall be repaired within 14 days of detection. Components shall be defined as any valve, fitting, pump, compressor, pressure relief valve, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173

The operator shall keep records of the monthly inspection (quarterly where applicable), subsequent repair, and reinspection, in a manner approved by the District. Records shall be kept and maintained for at least five years, and shall be made available to the Executive Officer or his authorized representative upon request.

The operator shall replace 4 additional existing valves in VOC service with bellow sealed valves to offset the emission increase from the modification to the above referenced applications. The operator shall submit to the District within 90 days of startup, copies of the as-built piping and instrumentation diagram identifying the replacement valves and copies of requisition data sheet for the new bellow sealed valves. The additional valves to be replaced shall include the following valves with Rule 1173 tag numbers: NESHAP 1351, 1352, 1354, and 1355

All open-ended valves shall be equipped with cap, blind flange, plug, or a second valve.

All pressure relief valves shall be connected to closed vent system or equipped with rupture disc.

All sampling connections shall be closed-purge, closed-loop, or closed-vent system.

All components are subject to 40CFR60, Subpart GGG

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 2, System 6; Process 12, System 14, 15; Process 21, System 4]

**FACILITY PERMIT TO OPERATE
BP WEST COAST PROD.LLC BP CARSON REF.**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

S31.9 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 450816, 450822, 450823, 450824, 450840, 450841:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

All open-ended valves shall be equipped with cap, blind flange, plug, or a second valve

All pressure relief valves shall be connected to closed vent system or equipped with rupture disc

All new process drains installed as a result of this project shall be equipped with a water seal

All sampling connections shall be closed-purge, closed-loop, or closed-vent system

All new valves in VOC service installed as a result of this project shall be of leakless type, except those specifically exempted by Rule 1173 or approved by the District in the following applications: heavy liquid service, control valves, instrument piping/tubing, applications requiring torsional valve stem motion, applications where failures could pose safety hazards (e.g. drain valves with valve stems in horizontal position), retrofits with space limitations, and valves not commercially available

For the purpose of this condition, leakless valve shall be defined as any valve equipped with sealed bellow or equivalent as approved in writing by the District prior to installation. Components shall be defined as any valve, flange, fitting, pump, compressor, pressure relief device, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173

All accessible pumps, compressors, and atmospheric PRDs shall be audio-visually inspected once per 8 hr shift. All accessible components in light liquid/gas/vapor and pumps in heavy liquid service shall be inspected quarterly, except for pumps in light liquid service and valves in gas/vapor or light liquid service which shall be inspected monthly when required per CFR60 Subpart GGG. All inaccessible or difficult to monitor components in light liquid/gas/vapor service shall be inspected annually

The following leaks shall be repaired within 7 calendar days - All light liquid/gas/vapor components leaking at a rate of 500 to 10,000 ppm, heavy liquid

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

components leaking at a rate of 100 to 500 ppm or greater than 3 drops/minute, unless otherwise extended as allowed under Rule 1173. The following leaks shall be repaired within 2 calendar days - any leak between 10,000 to 25,000 ppm, any atmospheric PRD leaking at a rate of 200 to 25,000 ppm, unless otherwise extended as allowed under Rule 1173

The following leaks shall be repaired within 1 calendar day - any leak greater than 25,000 ppm, heavy liquid leak greater than 500 ppm, or light liquid leak greater than 3 drops per minute

If 98.0 percent or greater of the new valve and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppm for two consecutive months, the operator may revert to a quarterly inspection program with the approval of the executive officer. This condition does not apply to leakless valves

The operator shall keep records of the monthly inspection (and quarterly where applicable), subsequent repair, and reinspection, in a manner approved by the District

The operator shall provide to the District, no later than 90 days after initial startup, a recalculation of the fugitive emissions based on actual components installed and removed from service. The operator shall also submit a complete, as built, piping and instrumentation diagram(s) and copies of requisition data sheets for all non-leakless type valves with a listing of tag numbers and reasons why leakless valves were not used

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Systems subject to this condition : Process 3, System 1, 2, 3; Process 5, System 3; Process 8, System 1, 2; Process 21, System 2]

S31.10 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 454566, 454567, 454568, 458598, 458600, 458610, 459257, 459284 & 459286:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The operator shall provide to the District, no later than 90 days after initial startup, a recalculation of the fugitive emissions based on actual components installed and removed from service. The valves and flanges shall be categorized by size and service. The operator shall submit a listing of all new non-bellows seal valves which shall be categorized by tag no., size, type, operating temperature, operating pressure, body material, application, and reasons why bellows seal valves were not used

All new valves in VOC service, except those specifically exempted by Rule 1173 and those in heavy liquid service as defined in Rule 1173, shall be bellows seal valves, except as approved by the District, in the following applications: heavy liquid service, control valve, instrument piping/tubing, applications requiring torsional valve stem motion, applications where valve failure could pose safety hazard (e.g., drain valves with valve stems in horizontal position), retrofits/special applications with space limitations, and valves not commercially available

All new valves and major components in VOC service as defined by Rule 1173, except those specifically exempted by Rule 1173 and those in heavy liquid service as defined in Rule 1173, shall be distinctly identified from other components through their tag numbers (e.g., numbers ending in the letter "N"), and shall be noted in the records

All new components in VOC service as defined in Rule 1173, except valves and flanges, shall be inspected quarterly using EPA reference Method 21. All new valves and flanges in VOC service, except those specifically exempted by Rule 1173, shall be inspected monthly using EPA Method 21

If 98.0 percent or greater of the new (non-bellows seal) valves and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppmv for two consecutive months, then the operator may change to a quarterly inspection program with the approval of the District

The operator shall revert from quarterly to monthly inspection program if less than 98.0 percent of the new (non-bellows seal) valves and the new flange population inspected is found to leak gaseous or liquid volatile organic

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

compounds at a rate less than 500 ppmv

All new components in VOC service with a leak greater than 500 ppmv but less than 1,000 ppmv, as methane, measured above background using EPA Method 21 shall be repaired within 14 days of detection. Components shall be defined as any valve, fitting, pump, compressor, pressure relief valve, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173

The operator shall keep records of the monthly inspection (quarterly where applicable), subsequent repair, and reinspection, in a manner approved by the District. Records shall be kept and maintained for at least five years, and shall be made available to the Executive Officer or his authorized representative upon request.

All open-ended valves shall be equipped with cap, blind flange, plug, or a second valve.

All pressure relief valves shall be connected to a closed vent system or equipped with a rupture disc and telltale indicator

All pumps shall utilize double seals and be connected to a closed vent system.

All compressors to have a seal system with a higher pressure barrier fluid.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 2, System 11; Process 10, System 1; Process 21, System 1 , 2 , 3 , 5 , 6 , 10 , 11]

S42.1 The operator shall not operate the FCCU unless the operator complies with the emission limits of the following rules::

Contaminant	Rule	Rule Subpart
PM10	District Rule	1105.1
NH3	District Rule	1105.1

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

If the operator fails to comply with any of the terms and conditions listed below, the operator shall be subject to the compliance deadlines as specified in Rule 1105.1(d)(1).

1. Award contract(s) to construct and install the control technology by May 1, 2006
2. Commence construction phase of the control technology permitted by AQMD for compliance with Rule 1105.1(d)(1) by the latter of November 30, 2006, or within 30 days of receiving the permit. These dates may be extended in writing by the Executive Officer upon a request by BP West Coast Products, LLC if the CEQA document is not finalized by October 31, 2006. Such extension(s) shall not be for a period more than five months after the original deadline listed in this paragraph
3. Start operation of the control technology permitted to insure compliance with Rule 1105.1(d)(1) by August 15, 2008
4. Comply with all Rule 1105.1(d)(1) requirements no later than August 31, 2008

[RULE 1105.1, 11-7-2003]

[Systems subject to this condition : Process 3, System 1 , 5]

S46.1 The following conditions shall apply to VOC service fugitive components in this system:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

For the purpose of this condition, leakless valve shall be defined as any valve equipped with sealed bellow or equivalent as approved in writing by the District prior to installation. Components shall be defined as any valve, flange, fitting, pump, compressor, pressure relief device, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173.

For the purpose of this condition, existing component shall be defined as any component that was installed under a permit to construct/operate that was issued prior to June 1, 1993. New component shall be defined as any component that was installed or modified under a permit to construct that was issued between June 1, 1993 and December 27, 2001.

All new valves in VOC service shall be of leakless type, except those specifically exempted by Rule 1173 or approved by the District in the following applications: heavy liquid service, control valves, instrument piping/tubing, applications requiring torsional valve stem motion, applications where failures could pose safety hazards (e.g. drain valves with valve stems in horizontal position), retrofits with space limitations, and valves not commercially available.

All new valves and new major components, as defined in Rule 1173, shall be physically identified in the field with special marking that distinguishes the components from existing. Additionally all new components shall be distinctly identified from existing components through their tag numbers (e.g. numbers ending in the letter "N"), and shall be noted in the records.

All new components in VOC service with a leak greater than 500 ppm but less than 1,000 ppm, as methane, measured above background using EPA Method 21, shall be repaired within 14 days of detection. A leak greater than 1,000 ppm shall be repaired according to Rule 1173.

All new pressure relief valves shall be connected to closed vent system or equipped with rupture disc.

All new sampling connections shall be closed-purge, closed-loop, or closed-vent system.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

All components are subject to 40CFR60, Subpart GGG.

**[RULE 1173, 5-13-1994; RULE 1173, 2-6-2009; RULE 1303(a)(1)-BACT, 5-10-1996;
RULE 1303(b)(2)-Offset, 5-10-1996; 40CFR 60 Subpart GGG, 6-2-2008]**

[Systems subject to this condition : Process 1, System 1 , 2 , 3 , 6; Process 2, System 1 , 2; Process 3, System 3; Process 4, System 2 , 8 , 9; Process 5, System 3 , 5; Process 6, System 1; Process 7, System 1 , 2; Process 8, System 1 , 2; Process 9, System 1 , 6 , 8 , 9 , 10; Process 12, System 8]

S46.2 The following conditions shall apply to VOC service fugitive components in this system:

For the purpose of this condition, leakless valve shall be defined as any valve equipped with sealed bellow or equivalent as approved in writing by the District prior to installation. Components shall be defined as any valve, flange, fitting, pump, compressor, pressure relief device, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173.

For the purpose of this condition, existing component shall be defined as any component that was installed under a permit to construct/operate that was issued prior to June 1, 1993. New component shall be defined as any component that was installed or modified under a permit to construct that was issued between June 1, 1993 and December 27, 2001.

The operator shall provide to the District, no later than August 29, 2003, a complete, as built, process instrumentation diagram(s) with a listing showing by functional grouping, location, type, accessibility, and application of each new valve in VOC service. The operator shall provide copies of requisition data sheets for all non-leakless type valves with a listing of tag numbers and reasons why leakless valves were not used.

The operator shall provide to the District, no later than August 29, 2003, a list of the following components broken down into the categories contained in District Form E-18A entitled "Fugitive Component Count": existing components, new components proposed to be installed under applicable permit(s) to construct, and new components that were actually installed under applicable permit(s) to construct.

**FACILITY PERMIT TO OPERATE
BP WEST COAST PROD.LLC BP CARSON REF.**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 1, System 1 , 2 , 3 , 6; Process 2, System 1 , 2; Process 3, System 3; Process 4, System 2 , 8 , 9; Process 5, System 3 , 5; Process 6, System 1; Process 7, System 1 , 2; Process 8, System 1 , 2; Process 9, System 1 , 6 , 8 , 9 , 10; Process 12, System 8; Process 14, System 2 , 10 , 11 , 12; Process 16, System 3]

S46.3 The following conditions shall apply to VOC service fugitive components in this system:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

For the purpose of this condition, leakless valve shall be defined as any valve equipped with sealed bellow or equivalent as approved in writing by the District prior to installation. Components shall be defined as any valve, flange, fitting, pump, compressor, pressure relief device, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173.

For the purpose of this condition, existing component shall be defined as any component that was installed under a permit to construct/operate that was issued prior to June 1, 1993. New component shall be defined as any component that was installed or modified under a permit to construct that was issued between June 1, 1993 and December 27, 2001.

All new valves in VOC service shall be of leakless type, except those specifically exempted by Rule 1173 or approved by the District in the following applications: heavy liquid service, control valves, instrument piping/tubing, applications requiring torsional valve stem motion, applications where failures could pose safety hazards (e.g. drain valves with valve stems in horizontal position), retrofits with space limitations, and valves not commercially available.

All new valves and new major components, as defined in Rule 1173, shall be physically identified in the field with special marking that distinguishes the components from existing. Additionally all new components shall be distinctly identified from existing components through their tag numbers (e.g. numbers ending in the letter "N"), and shall be noted in the records.

All new components in VOC service with a leak greater than 500 ppm but less than 1,000 ppm, as methane, measured above background using EPA Method 21, shall be repaired within 14 days of detection. A leak greater than 1,000 ppm shall be repaired according to Rule 1173.

All new pressure relief valves shall be connected to closed vent system or equipped with rupture disc.

All new sampling connections shall be closed-purge, closed-loop, or closed-vent system.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

**[RULE 1173, 5-13-1994; RULE 1173, 2-6-2009; RULE 1303(a)(1)-BACT, 5-10-1996;
RULE 1303(b)(2)-Offset, 5-10-1996]**

[Systems subject to this condition : Process 14, System 2 , 10 , 11 , 12; Process 16,
System 3]

S53.1 The following conditions shall apply to the equipment in this system:

During startup or shutdown of the sulfur recovery unit(s), when tail gas units are bypassed, sour gas shall not be processed by the sulfur recovery unit(s). Sour gas shall be introduced to sulfur recovery unit(s) only when they are lined up to tail gas unit No. 1 or 2.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Systems subject to this condition : Process 13, System 1 , 2 , 3 , 4]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

S56.1 Vent gases from all affected devices of this process/system shall be directed to a gas recovery system, except for venting from those equipment specifically indicated in a permit condition, and for the following vent gases which may be directed to a flare:

- 1) Vent gases during an emergency as defined in Rule 1118(b)(2) ;
- 2) Vent gases during startups or shutdowns as defined in Rule 1118(b)(21) and (b) (19), respectively, provided that all flares have been operated in accordance with flaring minimization procedures as described in Rule 1118(c)(4); and
- 3) Vent gas due to essential operating need, as defined in Rule 1118(b)(4)(A) that would result in a temporary fuel gas system imbalance, or as defined in Rule 1118(b)(4) (C) that would result in streams that cannot be recovered due to incompatibility with recovery system equipment or with refinery fuel gas systems, provided that all flares have been operated in accordance with flaring minimization procedures as described in Rule 1118(c)(4).

The flaring minimization procedures and any subsequent changes shall be submitted to the District as described in Rule 1118(c)(3).

This process/system shall not be operated unless its designated flare(s) and the gas recovery system are both in full use and have valid permits to receive vent gases from this system.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Vent gases shall not be released to the atmosphere except from the existing safety devices or relief valves on the following equipment:

1. Process 1, System 2: 10, 12, 14
2. Process 1, System 3: 19, 20, 24 to 26
3. Process 1, System 5: 35, 39, 41, 42, 2726
4. Process 1, System 6: 43, 49, 57, 58
5. Process 1, System 7: 59, 60, 61, 62
6. Process 2, System 1: 74, 77, 2388
7. Process 2, System 2: 82, 89, 90, 92, 2389
8. Process 2, System 3: 94, 95
9. Process 2, System 5: 98, 101, 102
10. Process 2, System 6: 111, 112, 113
11. Process 2, System 11: 159, 160
12. Process 3, System 1: 164 to 167, 170, 172 to 181, 184, 1336 to 1349, 2382, 2387
13. Process 3, System 2: 186, 188, 189, 191, 196, 199, 201, 204, 1352 to 1355
14. Process 3, System 4: 241
15. Process 3, System 6: 242, 245 to 247, 249
16. Process 3, System 7: 1363
17. Process 4, System 1: 253 to 256, 258, 262, 265, 268, 270, 272, 277, 278, 282, 283, 287, 1364, 1366, 1367, 1372, 1374 to 1376, 1378 to 1381
18. Process 4, System 2: 291, 1400 to 1403
19. Process 4, System 3: 292, 293, 297, 299
20. Process 4, System 4: 302, 304
21. Process 4, System 5: 308, 310, 311
22. Process 4, System 7: 1975 to 1977, 1980, 1981, 1986
23. Process 5, System 1: 314 to 317, 319, 320, 323 to 332
24. Process 5, System 2: 335 to 338, 340, 343, 348 to 353
25. Process 5, System 3: 356, 360, 1413
26. Process 5, System 4: 401, 406, 407, 412, 414
27. Process 6, System 1: 426, 427, 429, 431, 434 to 437, 440, 444, 445, 451,

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

454 to 456, 458, 460

28. Process 6, System 2: 462, 469, 474 to 481, 483, 486

29. Process 6, System 3: 490, 494, 495, 498, 501, 503, 506, 507, 509, 510, 512, 513, 518, 520, 521, 525 to 528

30. Process 7, System 1: 542 to 548, 550, 552 to 558, 560, 562 to 569

31. Process 7, System 2: 2892, 2893

32. Process 8, System 1: 583, 584, 593 to 597

33. Process 8, System 2: 608, 610, 612 to 614, 622, 624

34. Process 9, System 1: 631, 632, 638 to 652, 659 to 663, 666 to 668, 1482, 1483, 1486 to 1488, 1491, 1493 to 1495, 1497 to 1502, 1528, 1533 to 1536, 2019

35. Process 9, System 2: 672 to 681, 685

36. Process 9, System 9: 637, 653, 656, 658, 664

37. Process 10, System 1: 706

38. Process 10, System 2: 709, 711 to 715, 720, 721

39. Process 10, System 3: 725

40. Process 11, System 1: 730

41. Process 12, System 1: 756, 759

42. Process 12, System 2: 760 to 762, 764

43. Process 12, System 3: 765 to 770

44. Process 12, System 4: 771, 772, 774

45. Process 12, System 8: 785, 790, 2365, 2366

46. Process 12, System 9: 794, 797 to 799

47. Process 12, System 10: 806

48. Process 12, System 12: 815, 818

49. Process 12, System 13: 823, 826, 828

50. Process 12, System 16: 830

51. Process 12, System 22: 853, 854

52. Process 12, System 24: 860, 861, 863, 864, 865

53. Process 12, System 25: 866, 867, 869, 870, 871, 2003

54. Process 12, System 27: 873 to 875

55. Process 15, System 7: 1644 to 1646, 1648, 1649

56. Process 16, System 3: 2115 to 2120, 2353, 2394

57. Process 21, System 1: 1304

58. Process 21, System 2: 1307

59. Process 21, System 4: 1315, 1316, 1319, 1323 to 1325, 1659

**FACILITY PERMIT TO OPERATE
BP WEST COAST PROD.LLC BP CARSON REF.**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[RULE 1303(a)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 1, System 1 , 2 , 3 , 5 , 6 , 7; Process 2, System 1 , 2 , 3 , 5 , 6 , 11; Process 3, System 1 , 2 , 3 , 4 , 6 , 7; Process 4, System 1 , 2 , 3 , 4 , 5 , 7 , 8 , 9; Process 5, System 1 , 2 , 3 , 4 , 5; Process 6, System 1 , 2 , 3; Process 7, System 1 , 2; Process 8, System 1 , 2; Process 9, System 1 , 2 , 6 , 7 , 8 , 9 , 10; Process 10, System 1 , 2 , 3; Process 11, System 1; Process 12, System 1 , 2 , 3 , 4 , 5 , 7 , 8 , 9 , 10 , 11 , 12 , 13 , 16 , 20 , 22 , 24 , 25 , 27; Process 14, System 2 , 10 , 11; Process 15, System 7; Process 16, System 3; Process 18, System 1; Process 21, System 1 , 2 , 4]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

S58.1 The South Area Flare Gas Recovery System and North Area Flare Gas Recovery System shall only be used to receive and handle vent gases from the following Process(es) and System(s):

No. 1 Crude Unit (Process: 1, System: 1)
Coking Units (Process: 2, System: 1 & 2)
Coker Blowdown Facility (Process: 2, System: 3)
Coker Gas Compression & Absorption Unit (Process: 2, System: 5)
Blowdown Gas Compression System (Process: 2, System: 6)
Coker Gas Treating / H₂S Absorption Unit (Process: 2, System: 11)
Fluid Catalytic Cracking Units (Process: 3, System: 1, 2 & 3)
Propylene Tetramer Unit (Process: 3, System: 6)
Superfractionation Unit (Process: 4, System: 1)
Naphtha Splitter Unit (Process: 4, System: 2)
Light Ends Depropanizer Unit (Process: 4, System: 3)
Straight Run Light Ends Depropanizer Unit (Process: 4, System: 4)
North Area Deisobutanizer Unit (Process: 4, System: 5)
Coker Gasoline Fractionation Unit (Process: 4, System: 7)
Liquid Recovery Unit (Process: 4, System: 8)
C3 Splitter Unit (Process: 4, System: 9)
Jet Fuel Hydrotreating Unit (Process: 5, System: 1)
Mid-Barrel Desulfurizer Unit (Process: 5, System: 2)
Fluid Feed HDS Unit (Process: 5, System: 3)
Light Gasoline Hydrogenation Unit (Process: 5, System: 4)
Naphtha HDS Unit (Process: 5, System: 5)
Naphtha HDS Reactor Heater (Process: 5, System: 6)
Catalytic Reformer Units (Process: 6, System: 1, 2 & 3)
Hydrogen Plants (Process: 7, System: 1 & 2)
Hydrocracking Units (Process: 8, System: 1 & 2)
Alkylation Unit (Process: 9, System: 1)

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Catalytic Polymerization Unit (Process: 9, System: 2)
C5 Alkylation Depentanizer Unit (Process: 9, System: 6)
C5 Alkylation Unit (Process: 9, System: 7)
Naphtha Isomerization Unit (Process: 9, System: 8)
Iso-Octene Unit (Process: 9, System: 9)
Butane Isomerization Unit (Process: 9, System: 10)
Fuel Gas Mix System (Process: 10, System: 1)
LPG Recovery System (Process: 10, System: 2)
Liquid Petroleum Gas Drying Facilities (Process: 10, System: 3)
UOP Merox Unit (Process: 12, System: 8)
MDEA Regeneration Units (Process: 12, System: 9, 10, 11, 12 & 13)
North & South Sour Water Treatment Systems (Process: 12, System: 14 & 15)
Sulfur Recovery Units (Process: 13, System: 1, 2, 3 & 4)
Claus Tail Gas Treating Units (Process: 13, System: 5 & 7)
LPG Tank Truck Loading/Unloading Rack (Process: 14, System: 10)
LPG Rail Car Loading/Unloading Rack (Process: 14, System: 11)
Refinery Vapor Recovery System (Process: 21, System: 4)

The flare gas recovery system shall be operated in full use when any of the above Process(es) and System(s) is in operation. Full use means one of two compressor trains (Process 21, System 10 and Process 21, System 11) is online at any given time, except during planned startups or shutdowns when both compressors trains shall be online.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 21, System 10 , 11]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

S58.2 South Area Flare System shall only be used to receive and handle vent gases from the following Process(es) and System(s):

Coking Units (Process: 2, System: 1 & 2)
Coker Blowdown Facility (Process: 2, System: 3)
Coker Gas Compression & Absorption Unit (Process: 2, System: 5)
Blowdown Gas Compression System (Process: 2, System: 6)
Coker Gas Treating/H₂S Absorption Unit (Process: 2, System: 11)
Fluid Catalytic Cracking Units (Process: 3, System: 1, 2 & 3)
Propylene Tetramer Unit (Process: 3, System: 6)
Superfractionation Unit (Process: 4, System 1)
Naphtha Splitter Unit (Process: 4, System: 2)
Light Ends Depropanizer Unit (Process: 4, System: 3)
Straight Run Light Ends Depropanizer Unit (Process: 4, System: 4)
North Area Deisobutanizer Unit (Process: 4, System: 5)
Coker Gasoline Fractionation Unit (Process: 4, System: 7)
Liquid Recovery Unit (Process: 4, System: 8)
Light Gasoline Hydrogenation Unit (Process: 5, System: 4)
Catalytic Reformer Units (Process: 6, System: 1, 2, & 3)
Alkylation Uit (Process: 9, System: 1)
Iso-Octene Unit (Process: 9, System: 9)
MDEA Regeneration Units (Process: 12, System: 9, 10, 11, 12, & 13)
North & South Sour Water Treatment Systems (Process: 12, System: 14 & 15)
Sulfur Recovery Units (Process: 13, System: 1, 2, 3, & 4)
Claus Tail Gas Treating Units (Process: 13, System: 5 & 7)
Mixed Light Ends Tank Car Loading/Unloading (Process: 14, System: 2)
Refinery Vapor Recovery System (Process: 21, System: 4)
South Area Flare Gas Recovery System (Process: 21, System: 10)
North Area Flare Gas Recovery System (Process: 21, System: 11)

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The flare gas recovery system shall be operated in full use when any of the above Process(es) and System(s) is in operation. Full use means one of two compressor trains (Process 21, System 10 and Process 21, System 11) is online at any given time, except during planned startups or shutdowns when both compressors trains shall be online.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 21, System 1]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

S58.3 Fluid Catalytic Cracking Unit Flare System shall only be used to receive and handle vent gases from the following Process(es) and System(s):

Coking Units (Process: 2, System: 1 & 2)
Coker Blowdown Facility (Process: 2, System: 3)
Coker Gas Compression & Absorption Unit (Process: 2, System: 5)
Blowdown Gas Compression System (Process: 2, System: 6)
Coker Gas Treating Unit (Process: 2, System: 11)
Fluid Catalytic Cracking Units Compression Unit (Process: 3, System: 1, 2, & 3)
Propylene Tetramer Unit (Process: 3, System: 6)
Naphtha Splitter Unit (Process: 4, System: 2)
Light Ends Depropanizer Unit (Process: 4, System: 3)
Straight Run Light Ends Depropanizer Unit (Process: 4, System: 4)
North Area Deisobutanizer Unit (Process: 4, System: 5)
Coker Gas Fractionation Unit (Process: 4, System: 7)
Liquid Recovery Unit (Process: 4, System: 8)
Jet Fuel Hydrotreating Unit (Process: 5, System: 1)
Mid-Barrel Desulfurizer Unit (Process: 5, System: 2)
Light Gasoline Hydrogenation Unit (Process: 5, System: 4)
Catalytic Reformer Units (Process: 6, System: 1, 2, & 3)
Hydrogen Plant (Process: 7, System: 1)
Hydrocracking Units (Process: 8, System: 1 & 2)
Alkylation Unit (Process: 9, System: 1)
Iso-Octene Unit (Process: 9, System: 9)
Catalytic Polymerization Unit (Process: 9, System: 2)
Fuel Gas Mix System (Process: 10, System: 1)
LPG Recovery & Drying Facilities (Process: 10, System: 2 & 3)
MDEA Regeneration Systems (Process: 12, System: 9, 10, 11, 12, & 13)
North & South Sour Water Treatment Systems (Process: 12, System: 14 & 15)
Sulfur Recovery Units (Process: 13, System: 1, 2, 3, & 4)

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Claus Tail Gas Treating Units (Process: 13, System: 5 & 7)

If FCC Flare is being utilized to backup the No. 5 Flare, No. 1 Crude Unit (Process: 1, System: 1)

If FCC Flare is being utilized to backup No. 5 Flare, Superfractionation Unit (Process: 4, System: 1)

If FCC Flare is being utilized to backup No. 5 Flare, Naphtha HDS Unit (Process: 5, System: 5)

If FCC Flare is being utilized to backup the No. 5 Flare, Naphtha HDS Reactor Heater (Process: 5, System: 6)

If FCC Flare is being utilized to backup the No. 5 Flare, Hydrogen Plant No. 2. Although this process and system must not be in operation, it can route vent gas to the FCC Flare in the event of a fire case failure scenario (Process: 7, System: 2)

If FCC Flare is being utilized to backup the No. 5 Flare, C5 Alkylation Depentanizer Unit (Process: 9, System: 6)

If FCC Flare is being utilized to backup the No. 5 Flare, Naphtha Isomerization Unit (Process: 9, System: 8)

If FCC Flare is being utilized to backup the No. 5 Flare, Butane Isomerization Unit. Although this process and system must not be in operation, it can route vent gas to the FCC Flare in the event of a fire case failure scenario (Process: 9, System: 10)

If FCC Flare is being utilized to backup the No. 5 Flare, LPG tank truck loading/unloading rack (Process: 14, System: 10)

If FCC Flare is being utilized to backup the No. 5 Flare, LPG rail car loading/unloading rack (Process: 14, System: 11)

The flare gas recovery system shall be operated in full use when any of the above Process(es) and System(s) is in operation. Full use means one of two compressor trains (Process 21, System 10 and Process 21, System 11) is online at any given time, except during planned startups or shutdowns when both compressors trains shall be online.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 21, System 2]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

S58.4 Hydrocracker Flare System shall only be used to receive and handle vent gases from the following Process(es) and System(s):

Light Ends Depropanizer (Process: 4, System: 3)

Jet Fuel Hydrotreating Unit (Process: 5, System: 1)

Mid-Barrel Desulfurizer Unit (Process: 5, System: 2)

Light Gasoline Hydrogenation Unit (Process: 5, System: 4)

Catalytic Reformer Units (Process: 6, System: 1, 2, & 3)

Hydrogen Plant (Process: 7, System 1)

Hydrocracking Units (Process: 8, System: 1 & 2)

LPG Recovery System (Process: 10, System: 2)

Liquid Petroleum Gas Drying Facilities (Process: 10, System: 3)

MDEA Regeneration Systems (Process: 12, System: 9 & 10)

If HC Flare is being utilized to backup the FCCU Flare, FCCU, FCCU Gas Plant & FCCU Gas Compression Unit (Process: 3, System: 1, 2 & 3)

If HC Flare is being utilized to backup the FCCU Flare, Propylene Tetramer Unit (Process: 3, System: 6)

If HC Flare is being utilized to backup the FCCU Flare, Liquids Recovery Unit (Process: 4, System: 8)

If HC Flare is being utilized to backup the FCCU Flare, Catalytic Polymerization Unit (Process: 9, System: 2)

If HC Flare is being utilized to backup the FCCU Flare, Fuel Gas Mix System (Process: 10, System: 1)

If HC Flare is being utilized to backup the FCCU Flare, North Sour Water Treatment Unit (Process: 12, System: 14)

The flare gas recovery system shall be operated in full use when any of the above Process(es) and System(s) is in operation. Full use means one of two compressor trains (Process 21, System 10 and Process 21, System 11) is online at any given time, except

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

during planned startups or shutdowns when both compressors trains shall be online.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 21, System 3]

S58.5 Fluidized Feed HDS Flare System shall only be used to receive and handle vent gases from the following Process(es) and System(s):

Fluid Feed HDS Unit (Process: 5, System: 3)

The flare gas recovery system shall be operated in full use when any of the above Process(es) and System(s) is in operation. Full use means one of two compressor trains (Process 21, System 10 and Process 21, System 11) is online at any given time, except during planned startups or shutdowns when both compressors trains shall be online.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 21, System 5]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

S58.6 Refinery Flare No. 5 System shall only be used to receive and handle vent gases from the following Process(es) and System(s):

No. 1 Crude Unit (Process: 1, System 1)
Superfractionation Unit (Process: 4, System: 1)
C3 Splitter Unit (Process: 4, System: 9)
Naphtha HDS Unit (Process: 5, System: 5)
Naphtha HDS Reactor Heater (Process: 5, System: 6)
Hydrogen Plant No. 2 (Process: 7, System: 2)
C5 Alkylation Depentanizer Unit (Process: 9, System: 6)
C5 Alkylation Unit (Process: 9, System: 7)
Naphtha Isomerization Unit (Process: 9, System: 8)
Butane Isomerization Unit (Process: 9, System: 10)
UOP Merox Unit (Process: 12, System: 8)
LPG Tank Truck Loading/Unloading Rack (Process: 14, System: 10)
LPG Rail Car Loading/Unloading Rack (Process: 14, System: 11)
North Area Flare Gas Recovery System (Process: 21, System: 11)
INEOS POLYPROPYLENE LLC ID 124808 (Process: 1, System: 1, 2, 3, 5, 6, & 9)

The flare gas recovery system shall be operated in full use when any of the above Process(es) and System(s) is in operation. Full use means one of two compressor trains (Process 21, System 10 and Process 21, System 11) is online at any given time, except during planned startups or shutdowns when both compressors trains shall be online.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 21, System 6]

DEVICE CONDITIONS

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

A. Emission Limits

A63.19 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
PM	Less than or equal to 6 LBS PER DAY
ROG	Less than or equal to 1.92 LBS PER DAY
CO	Less than or equal to 11 LBS PER DAY

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D1433]

A63.20 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
ROG	Less than or equal to 15 LBS PER DAY
CO	Less than or equal to 179 LBS PER DAY
PM	Less than or equal to 46 LBS PER DAY

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D31]

A63.25 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
Visible emissions	Less than or equal to 10 Percent opacity

[RULE 1158, 7-11-2008]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D121, D122, D127, D128, D129, D130, D131, D132, D133, D134, D135, D136, D137, D138, D139, D140, D141, D142, D143, D144, D146, D147, D148, D149, D150, D2617, D2618, D2619, D2620, D2621, D2622, D2623, D2624, D2625, D2626, D2627, D2641, D2642, D2643, D2644]

- A72.2 The operator shall maintain this equipment to achieve a minimum overall control efficiency of 99.0 percent for PM10 during the normal operation of the equipment it vents.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : C2661, C2662, C2663]

- A99.7 The 10 PPM NH3 emission limit(s) shall not apply during FCC Unit startup and shutdown. Each startup or shutdown event shall not exceed 120 hours. The District shall be notified within 48 hours of any startup or shutdown event.

[RULE 1105.1, 11-7-2003; RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : C2769]

- A99.8 The 25 PPM NOX emission limit(s) shall only apply at a firing rate of greater than 9 MMBTU/HR.

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D1433]

- A99.9 The 30 PPM NOX emission limit(s) shall only apply at a firing rate of greater than or equal to 6 MMBTU/HR and less than or equal to 9 MMBTU/HR.

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D1433]

- A99.10 The 35 PPM NOX emission limit(s) shall only apply at a firing rate of less than 6 MMBTU/HR.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D1433]

- A103.1 The operator shall keep materials in petroleum coke handling and storage systems sufficiently moist to prevent fugitive dust emissions.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D121, D122, D148]

- A195.1 The 20 PPMV NOX emission limit(s) is averaged over 365 day rolling average at 0 percent O₂, dry basis.

For the purposes of this condition, this limit is a long term limit which applies at all times.

[CONSENT DECREE CIVIL NO. 2:96 CV 095 RL (Fourth Amendment), 10-7-2005]

[Devices subject to this condition : D164]

- A195.2 The 60 PPMV NOX emission limit(s) is averaged over 7 day rolling average at 0 percent O₂, dry basis.

For the purposes of this condition, this limit is a short term limit which applies at all times except during startup, shutdown, or malfunction of the FCCU or the FFHDS.

[CONSENT DECREE CIVIL NO. 2:96 CV 095 RL (Fourth Amendment), 10-7-2005]

[Devices subject to this condition : D164]

- A195.3 The 50 PPMV SOX emission limit(s) is averaged over 365 day rolling average at 0 percent O₂, dry basis.

For the purposes of this condition, this limit is a long term limit which applies at all times.

[CONSENT DECREE CIVIL NO. 2:96 CV 095 RL (Fourth Amendment), 10-7-2005]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D164]

A195.4 The 150 PPMV SOX emission limit(s) is averaged over 7 day rolling average at 0 percent O₂, dry basis.

For the purposes of this condition, this limit is a short term limit which applies at all times except during startup, shutdown, or malfunction of the FCCU or the FFHDS.

[**CONSENT DECREE CIVIL NO. 2:96 CV 095 RL (Fourth Amendment), 10-7-2005**]

[Devices subject to this condition : D164]

A195.6 The 500 PPMV CO emission limit(s) is averaged over one (1) hour, dry basis.

For the purposes of this condition, this limit is a short term limit which applies at all times except during startup, shutdown, or malfunction of the FCCU.

This condition shall become effective on December 31, 2004.

[**CONSENT DECREE CIVIL NO. 2:96 CV 095 RL, 8-29-2001**]

[Devices subject to this condition : D164]

A195.7 The 10 PPMV NH₃ emission limit(s) is averaged over 60 minutes at 3 percent O₂ dry.

[**RULE 1105.1, 11-7-2003**]

[Devices subject to this condition : C2769]

B. Material/Fuel Type Limits

B22.10 The operator shall not use this equipment with materials having a(n) Reid vapor pressure of 0.35 psia or greater under actual operating conditions.

[**RULE 1303(b)(2)-Offset, 5-10-1996**]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D2612]

B22.17 The operator shall not use this equipment with materials having a(n) true vapor pressure of 3 psia or greater under actual operating conditions.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D1069]

B59.2 The operator shall only use the following material(s) in this device :

wastewater with a VOC content of 5 mg per liter or less

[RULE 1176, 9-13-1996]

[Devices subject to this condition : D2143, D2902]

B61.4 The operator shall not use fuel gas, except uncombined natural gas which is not regulated by the condition, containing the following specified compounds:

Compound	ppm by volume
H2S greater than	160

[40CFR 60 Subpart J, 6-24-2008]

[Devices subject to this condition : D31, D626, C1661]

C. Throughput or Operating Parameter Limits

C1.41 The operator shall limit the throughput to no more than 2083 gallon(s) per month.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D2612]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

- C1.50 The operator shall limit the throughput to no more than 500000 barrel(s) in any one calendar month.

The operator shall calculate the throughput, in barrels, by the following equation: $0.14 \times D \times D \times L$, where D is the diameter of the tank in feet based on the tank strapping chart and L is the total vertical one-way roof travel in feet per month.

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously record the vertical movement of the roof. For the purpose of this condition, continuous recording is defined as once every 15 minutes.

The operator shall calculate the total one-way roof movement, in feet, on a monthly basis.

The ATLG installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLG shall be repaired and put back into service within 10 days. While the ATLG is being repaired, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the discovery of the discrepancy.

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed from service for maintenance. While the ATLG is being repaired or maintained, the throughput shall be determined by hourly tank level data averaged from the previous 30 days prior to the time that the ATLG went out of service.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D1000, D1001]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

C1.60 The operator shall limit the heat input to no more than 29.5 MM Btu per hour.

The operator shall install a fuel gas meter to continuously monitor and record the fuel flow in standard cubic feet per hour. Records of the fuel usage per hour shall be maintained in a manner approved by the District and made available to the District personnel upon request.

The 29.5 mmbtu per hour shall not be used as an NSR limit. If the operator wants to operate the heater at the NSR limit of 39 mmbtu per hour, the operator shall apply for a new permit to operate at the NSR limit of 39 mmbtu per hour, and conduct a new source test at 80% of the maximum design capacity of 39 mmbtu per hour.

[RULE 1301, 12-7-1995]

[Devices subject to this condition : D626]

C1.62 The operator shall limit the throughput to no more than 1,000,000 barrel(s) in any one calendar month.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The operator shall calculate the throughput, in barrels, by the following equation: $0.14 \times D \times D \times L$, where D is the diameter of the tank in feet based on the tank strapping chart and L is the total vertical one-way tank level travel in feet per month.

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously record the vertical movement of the tank level. For the purpose of this condition, continuous recording is defined as once per hour.

The operator shall calculate the total one-way tank level movement at the end of each month. The total one-way tank level movement shall be determined for the calendar month and shall be expressed as feet.

The ATLG installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLG shall be repaired and put back into service within 10 days. While the ATLG is being repaired, throughput shall be determined by the hourly tank level data averaged for the previous 30 days, prior to the discovery of the discrepancy.

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed from service for maintenance. While the ATLG is being repaired or maintained, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the time that the ATLG went out of service.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D1069]

- C1.64 The operator shall limit the throughput to no more than 12,000 barrel(s) in any one calendar month.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The operator shall calculate the throughput, in barrels, by the following equation: $0.14 \times D \times D \times L$, where D is the diameter of the tank in feet based on the tank strapping chart and L is the total vertical one-way tank level travel in feet per month.

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously record the vertical movement of the tank level. For the purpose of this condition, continuous recording is defined as once per hour.

The operator shall calculate the total one-way tank level movement at the end of each month. The total one-way tank level movement shall be determined for the calendar month and shall be expressed as feet.

The ATLG installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLG shall be repaired and put back into service within 10 days. While the ATLG is being repaired, throughput shall be determined by the hourly tank level data averaged for the previous 30 days, prior to the discovery of the discrepancy.

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed from service for maintenance. While the ATLG is being repaired or maintained, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the time that the ATLG went out of service.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D1106]

C1.67 The operator shall limit the throughput to no more than 20 gallon(s) per minute.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D2857, D2858]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

- C6.2 The operator shall use this equipment in such a manner that the hydrocarbon concentration being monitored, as indicated below, does not exceed 30 percent of the Lower Explosive Limit.

The operator shall use an explosimeter to measure the Lower Explosive Limit (LEL) in the vapor space above the floating roof, twice a year at a 4 to 8 month interval.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 1178, 4-7-2006]

[Devices subject to this condition : D1000, D1001]

- C157.1 The operator shall install and maintain a pressure relief valve with a minimum pressure set at 25 psig.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D2652]

D. Monitoring/Testing Requirements

- D12.7 The operator shall install and maintain a(n) continuous monitoring system to accurately indicate the oxygen concentration of the exhaust gas.

[RULE 1301, 12-7-1995]

[Devices subject to this condition : D626]

- D12.15 The operator shall install and maintain a(n) infrared/ ultraviolet detector or a thermocouple to accurately indicate the presence of a flame at the pilot light.

The operator shall also install and maintain a device to continuously record the parameter being measured.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR 60 Subpart A, 6-13-2007]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : C1302, C1305, C1308, C1326, C1661]

- D12.16 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the total hourly throughput of injected ammonia. The operator shall continuously record the flow rate with a measuring device or gauge accurate to within +/- 5 percent, calibrated once every 12 months. Continuously record shall be defined as recording every minute and shall be calculated based upon the average of the continuous monitoring for that hour.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : C2651]

- D12.17 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature of the exhaust at the inlet to the SCR reactor. The operator shall continuously record the temperature with a measuring device or gauge accurate to within +/- 5 percent, calibrated once every 12 months. Continuously record shall be defined as recording every minute and shall be calculated based upon the average of the continuous monitoring for that hour.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : C2651]

- D12.18 The operator shall install and maintain a(n) pressure gauge to accurately indicate the differential pressure across the SCR catalyst bed in inches of water column. The operator shall record the pressure once a month with a measuring device or gauge accurate to within +/- 5 percent, calibrated once every 12 months.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : C2651]

- D28.6 The operator shall conduct source test(s) in accordance with the following specifications:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The test shall be conducted initially and annually if the equipment is utilized for more than 30 days in a calendar year.

Source test shall be conducted when this equipment is operating at least 80 percent of the permitted maximum capacity or within a capacity range approved by the District. Report of the test and operating condition of the equipment shall be submitted to the District within 60 days after the test.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted to determine emission rate of PM and PM10 from the discharge of the vacuum system during loading of additive, and the control efficiency of the filter.

The test shall be conducted according to an approved test protocol. The operator shall submit the test protocol to the District at least 60 days prior to the initial testing.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D2658, D2659, D2660]

D28.7 The operator shall conduct source test(s) in accordance with the following specifications:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The test shall be conducted within 90 days after achieving maximum production rate, but no later than 180 days after initial start-up.

The test shall be conducted when this equipment is operating at 80 percent or greater of the heater maximum design capacity or at 90 percent or greater based on the maximum demonstrated operating throughput capacity if it is not possible to reach 80 percent of the maximum design capacity.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted to determine the oxygen concentration using District method 100.1 measured over a 60 minute averaging time period.

The test shall be conducted to determine the NOx emission using District method 100.1 measured over a 60 minute averaging time period.

The test shall be conducted to determine the CO emissions using District method 100.1 measured over a 60 minute averaging time period.

The test shall be conducted to determine the ROG emissions using District method 25.1 measured over a 60 minute averaging time period.

The test shall be conducted to determine the PM emissions using District method 5.1 measured over a District-approved averaging time period.

The test shall be conducted after District approval of a source test protocol submitted in accordance with Section E - Administrative Conditions.

The test shall be conducted and the test report submitted to the District in accordance with Section E - Administrative Conditions.

[RULE 1303(a)-BACT, 5-10-1996]

[Devices subject to this condition : D31]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

D29.1 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
CO emissions	District method 100.1	1 hour	Outlet of the SCR
NOX emissions	District method 100.1	1 hour	Outlet of the SCR
PM emissions	Approved District method	District-approved averaging time	Outlet of the SCR
NH3 emissions	District method 207.1 and 5.3 or EPA method	1 hour	Outlet of the SCR

The test shall be conducted after AQMD approval of the source test protocol, but no later than 180 days after initial start-up of the equipment. The AQMD shall be notified of the date and time of the test at least 7 days prior to the test.

The test(s) shall be conducted at least annually.

The test shall be conducted to determine the oxygen levels in the exhaust. In addition, the test shall measure the flue gas flow rate (CFH).

The test shall be conducted in accordance with an AQMD approved source test protocol. The protocol shall be submitted to the AQMD engineer no later than 45 days before the proposed test date and shall be approved by the AQMD before test commences. The test protocol shall include the proposed operating conditions of the SCR during the test, the identity of the testing lab, a statement from the testing lab certifying that it meets the criteria of Rule 304, and a description of all sampling and analytical procedures.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : C2651]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

D29.2 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
NH3 emissions	District method 207.1 and 5.3 or EPA method 17	1 hour	Outlet of the ESP

The test shall be conducted at least annually to demonstrate compliance with the Rule 1105.1 concentration limit and the BACT concentration limit when the equipment is operating at least 80 percent of the permitted maximum capacity or within a capacity range approved by the District. The NOx concentration, as determined by the CEMS, shall be simultaneously recorded during the ammonia slip test. If the CEMS is inoperable, a test shall be conducted to determine the NOx emissions using District Method 100.1, measured over a 60 minute ave.

The test shall be conducted and the results submitted to the AQMD within 45 days after the test date. The AQMD shall be notified of the date and time of the test at least 7 days prior to the test.

[RULE 1105.1, 11-7-2003; RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : C2769]

D29.3 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
ROG emissions	Approved District method	District-approved averaging time	Outlet
PM emissions	District method 5.1	1 hour	Outlet

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The test(s) shall be conducted at least once every three years.

The test shall be conducted when the equipment is operating under normal conditions.

The test shall be conducted to demonstrate compliance with the emission limits specified in condition A63 for this equipment.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D31]

D29.4 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
NH3 emissions	District method 207.1 and 5.3 or EPA method 17	1 hour	Outlet of the ESP

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The test shall be conducted at current operating condition, i.e., before the SCR installation to establish baseline for the ammonia slip. The ammonia slip shall be reported as ppm and lbs/hr. The operator shall record the NH₃ injection rate during the test. In addition, the operator shall submit to the District the NH₃ usage at the ESP for the last two years of operation prior to SCR installation..

The test shall be conducted in accordance with an AQMD approved source test protocol. The protocol shall be submitted to the AQMD engineer no later than 45 days before the proposed test date and shall be approved by the AQMD before test commences. The test protocol shall include the proposed operating conditions of the ESP during the test, the identity of the testing lab, a statement from the testing lab certifying that it meets the criteria of R-304, and a description of all sampling and analytical procedures..

The test shall be conducted and the results submitted to the AQMD within 45 days after the test date. The AQMD shall be notified of the date and time of the test at least 7 days prior to the test.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : C2651]

D29.8 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
PM emissions	Approved District method	1 hour	Outlet

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The test(s) shall be conducted at least annually.

The test shall be conducted when the equipment is operating under normal conditions.

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

Source test results shall include the following parameters: FCCU feed rate; catalyst recirculation rate; coke burn rate; oxygen content of exhaust gases; exhaust flow rate; exhaust gas moisture content; the flue gas temperature at outlet of the ESP; and the average current, voltage, and spark rate at each of the ESP fields.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001; RULE 404, 2-7-1986; RULE 405, 2-7-1986]

[Devices subject to this condition : D164]

D29.9 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutants	Required Test Method(s)	Averaging Time	Test Location
CO emissions	District Method 100.1 or 10.1	1 hour	Outlet
ROG emissions	Approved District method	1 hour	Outlet
PM emissions	District method 5.2	1 hour	Outlet
NH3 emissions	District method 207.1 and 5.3 or EPA method	1 hour	Outlet

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The test shall be conducted when this equipment is operating at 80 percent or greater of the permitted maximum rated capacity.

The test shall be conducted after AQMD approval of the source test protocol, but no later than 180 days after initial start-up of the equipment. The AQMD shall be notified of the date and time of the test at least 7 days prior to the test.

The test shall be conducted in accordance with an AQMD approved source test protocol. The protocol shall be submitted to the AQMD engineer no later than 45 days before the proposed test date and shall be approved by the AQMD before the test commences. The test protocol shall include the proposed operating conditions of the SCR during the test, the identity of the testing lab, a statement from the testing lab certifying that it meets the criteria of Rule 304, and a description of all sampling and analytical procedures.

During the source test(s), the facility permit holder shall also measure the oxygen levels in the exhaust, flue gas flow rate (CFH), flue gas temperature, and the heating rate of the Hydrogen Plant Heater.

[RULE 1303, 10-20-2000]

[Devices subject to this condition : C571]

D29.10 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutants	Required Test Method(s)	Averaging Time	Test Location
CO emissions	District Method 100.1 or 10.1	1 hour	Outlet
ROG emissions	Approved District method	1 hour	Outlet
PM emissions	District method 5.2	1 hour	Outlet
SOX emissions	District method 6.1	1 hour	Outlet
NOX emissions	District method 100.1	1 hour	Outlet

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The test shall be conducted at the following firing rates:.

1. Less than 6 MMBTU/hr
2. Greater than and equal to 6 MMBTU/hr, and less than and equal to 9 MMBTU/hr
3. Greater than 9 MMBTU/hr

The test shall be conducted after AQMD approval of the source test protocol, but no later than 180 days after initial start-up of the equipment. The AQMD shall be notified of the date and time of the test at least 7 days prior to the test.

The test shall be conducted in accordance with an AQMD approved source test protocol. The protocol shall be submitted to the AQMD engineer no later than 45 days before the proposed test date and shall be approved by the AQMD before the test commences. The test protocol shall include the proposed operating conditions of the heaters during the test, the identity of the testing lab, a statement from the testing lab certifying that it meets the criteria of Rule 304, and a description of all sampling and analytical procedures.

During the source test(s), the facility permit holder shall also measure the oxygen levels in the exhaust, flue gas flow rate (CFH), and flue gas temperature.

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

[RULE 1303, 10-20-2000]

[Devices subject to this condition : D1433]

D29.11 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
------------------------------	-------------------------	----------------	---------------

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

PM10 emissions	District Method 5.2 Modified with EPA Method 201A Cyclone (filterables compliance, condensables information)	District-approved averaging time	Outlet
PM10 emissions	District Method 5.2 (filterables compliance, condensables information)	District-approved averaging time	Outlet
PM10 emissions	District Method 5.2 with Previously Determined PM10 to PM Ratio Applied (filterables compliance, condensables information)	District-approved averaging time	Outlet
PM10 emissions	EPA Method 5 (filterables compliance) and District Method 5.2 (condensables information)	District-approved averaging time	Outlet
NH3 emissions	District method 207.1	1 hour	Outlet
NOX emissions	District method 100.1	1 hour	Outlet
CO emissions	District method 100.1	1 hour	Outlet
VOC	District Method 25.1 or 25.3	1 hour	Outlet

[RULE 1105.1, 11-7-2003]

[Devices subject to this condition : D164]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

D29.12 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutants	Required Test Method(s)	Averaging Time	Test Location
CO emissions	District Method 100.1 or 10.1	1 hour	Outlet
SOX emissions	District method 6.1	1 hour	Outlet
NOX emissions	District method 100.1	1 hour	Outlet

The test shall be conducted when this equipment is operating at 80 percent or greater of the permitted maximum rated capacity.

The test shall be conducted after AQMD approval of the source test protocol, but no later than 180 days after initial start-up of the equipment. The AQMD shall be notified of the date and time of the test at least 7 days prior to the test.

The test shall be conducted in accordance with an AQMD approved source test protocol. The protocol shall be submitted to the AQMD engineer no later than 45 days before the proposed test date and shall be approved by the AQMD before the test commences. The test protocol shall include the proposed operating conditions of the heaters during the test, the identity of the testing lab, a statement from the testing lab certifying that it meets the criteria of Rule 304, and a description of all sampling and analytical procedures.

During the source test(s), the facility permit holder shall also measure the oxygen levels in the exhaust, flue gas flow rate (CFH), and flue gas temperature.

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

[RULE 1303, 10-20-2000]

[Devices subject to this condition : D626]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

D82.3 The operator shall install and maintain a CEMS to measure the following parameters:

The CEMS shall be installed to measure and record continuously the total reduced sulfur compounds concentration at the outlet of the tail gas adsorber. Concentration shall be expressed as ppmv H₂S.

Concentrations shall be corrected to zero percent excess air on a dry basis.

The CEMS shall be installed, approved, operated and maintained in accordance with the requirements of Rule 218 and 40CFR60 Subpart J as appropriate. The operator shall conduct periodic monitoring at least once a week prior to full operation of the CEMS. The operator shall sample and analyze for TRS at the absorber overhead using District approved methods. Records shall be maintained and made available to District personnel upon request.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : C896, C2406]

D82.4 The operator shall install and maintain a CEMS to measure the following parameters:

CO concentration in ppmv

Oxygen concentration in percent volume

[40CFR 63 Subpart UUU, 4-20-2006]

[Devices subject to this condition : D164]

D90.4 The operator shall continuously monitor the H₂S concentration in the fuel gases before being burned in this device according to the following specifications:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The operator shall use Gas Chromatograph meeting the requirements of 40CFR60 Subpart J to monitor the parameter.

The operator shall also install and maintain a device to continuously record the parameter being monitored.

The operator may monitor the H₂S concentration at a single location for fuel combustion devices, if monitoring at this location accurately represents the concentration of H₂S in the fuel gas being burned in this device.

[40CFR 60 Subpart J, 6-24-2008]

[Devices subject to this condition : D31, D626]

- D90.5 The operator shall periodically monitor the flare gas flow rate at the outlet of the accumulator according to the following specifications:

The operator shall monitor and record continuously the opening of control valve PCV-4001 or continuously record the flare gas flow rate at the flow indicator FI-007. Such records shall be maintained for at least two years and made available to District personnel upon request.

[RULE 1118, 11-4-2005]

[Devices subject to this condition : D683]

- D90.6 The operator shall sample and analyze the SO₂ concentration at the SCR inlet and outlet simultaneously, once every five years according to the following specifications:

The operator shall analyze and measure the SO₂ concentration using District Method 6.1.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : C2651]

- D90.8 The operator shall periodically monitor the VOC concentration at the outlet of the first carbon canister and at the exit to the atmosphere according to the following specifications:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The operator shall use EPA Reference Method 21 to monitor the parameter.

The operator shall calibrate the instrument used to monitor the parameter in ppmv methane.

Alternately, the operator may use the District Grab Sample Method, as specified in Rule 1176, to measure the VOC concentration.

The operator shall monitor twice every week, at least three days apart.

[RULE 1176, 9-13-1996; RULE 1303(a)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C2446, C2886]

D90.9 The operator shall sample and analyze the VOC content in each fluid to the sump according to the following specifications:

The operator shall analyze once every year according to EPA Test Method 8240, or equivalent test method.

[RULE 1176, 9-13-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D2143, D2902]

D90.10 The operator shall continuously monitor the temperature in degrees F of the flue gas at the inlet to the ESP according to the following specifications:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The operator shall monitor once every 15 minutes.

The operator shall automatically record electronically the above parameter at least one measurement every hour. These records shall be maintained for at least five years and made available to AOMD personnel upon request

The continuous monitor shall be installed and operated whenever the ESP is operating.

Monitoring and recording of this parameter shall not be required during periods of routine maintenance or malfunction of the monitoring and recording device.

The temperature monitor shall have a minimum range of 450- 750 deg F and be accurate to within plus or minus 5 percent and shall be calibrated at least once every 12 months

[RULE 1105.1, 11-7-2003]

[Devices subject to this condition : C2769]

D90.11 The operator shall continuously monitor the flow rate in acfh of the flue gas at the outlet of the ESP according to the following specifications:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The operator shall monitor once every 15 minutes.

The operator shall automatically record electronically the above parameter, one measurement every hour. These records shall be maintained for at least five years and made available to AQMD personnel upon request

The continuous monitor shall be installed and operated whenever the ESP is operation

Monitoring and recording of this parameter shall not be required during periods of routine maintenance, or malfunction of the monitoring and recording device

The flow rate monitor shall have a minimum range of 0-40 mmacf/h and be accurate to within plus or minus 5 percent and shall be calibrated at least once every 12 months

[RULE 1105.1, 11-7-2003]

[Devices subject to this condition : C2769]

D90.12 The operator shall continuously monitor the total secondary power in kilowatts to the ESP according to the following specifications:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The operator shall monitor once every 15 minutes.

The operator shall automatically record electronically the above parameter, one measurement every hour. These records shall be maintained for at least five years and made available to AQMD personnel upon request

The continuous monitor shall be installed and operated whenever the ESP is operating

Monitoring and recording of this parameter shall not be required during periods of routine maintenance or malfunction of the monitoring and recording device

The power monitor shall have a minimum range of 0-1200 kw and be accurate to within plus or minus 5 percent and shall be calibrated at least once every unit turnaround, with a minimum frequency of once every 6 years

[RULE 1105.1, 11-7-2003]

[Devices subject to this condition : C2769]

D90.13 The operator shall continuously monitor the NH₃ injection rate in gpm at the ESP inlet according to the following specifications:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The operator shall monitor once every 15 minutes.

The operator shall automatically record electronically the above parameter, one measurement every hour. These records shall be maintained for at least five years and made available to AQMD personnel upon request

The continuous monitor shall be installed and operated whenever the ESP is operating

Monitoring and recording of this parameter shall not be required during periods to routine maintenance or malfunction of the monitoring and recording device

The NH₃ injection rate monitor shall have a minimum range of 0-1 gpm and be accurate to within plus or minus 5 percent and shall be calibrated at least once every unit turnaround, with a minimum frequency of once every 6 years

[RULE 1105.1, 11-7-2003]

[Devices subject to this condition : C2769]

D90.16 The operator shall periodically monitor the H₂S concentration at the inlet of this device according to the following specifications:

The Alternative Monitoring Plan (AMP) approved by the United States Environmental Protection Agency (USEPA) on March 27, 2008 for the periodic monitoring and reporting of H₂S concentration for refinery gas stream to No. 5 Flare

In addition, the operator shall also comply with all other requirements of the AMP issued by the USEPA on March 27, 2008 for No. 5 Flare

[40CFR 60 Subpart A, 6-13-2007; 40CFR 60 Subpart J, 6-24-2008]

[Devices subject to this condition : C1661]

D90.18 The operator shall periodically monitor the H₂S concentration at the inlet of this device according to the following specifications:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The Alternative Monitoring Plan (AMP) approved by the United States Environmental Protection Agency (USEPA) on November 4, 2008 for the periodic monitoring and reporting of H₂S concentration for refinery gas stream to FCCU Feed HDS Flare

In addition, the operator shall also comply with all other requirements of the AMP issued by the USEPA on November 4, 2008 for FCCU Feed HDS Flare

[40CFR 60 Subpart A, 6-13-2007; 40CFR 60 Subpart J, 6-24-2008]

[Devices subject to this condition : C1326]

D90.19 The operator shall periodically monitor the H₂S concentration at the inlet of this device according to the following specifications:

The Alternative Monitoring Plan (AMP) approved by the United States Environmental Protection Agency (USEPA) on June 16, 2008 for the periodic monitoring and reporting of H₂S concentration for refinery gas stream to FCCU Feed HDS Flare

In addition, the operator shall also comply with all other requirements of the AMP issued by the USEPA on June 16, 2008 for FCCU Feed HDS Flare

[40CFR 60 Subpart A, 6-13-2007; 40CFR 60 Subpart J, 6-24-2008]

[Devices subject to this condition : C1326]

D182.8 The operator shall test this equipment in accordance with the following specifications:

This equipment is constructed and operated under Rule 441 Research Permit. This permit shall expire on 3/06/2009.

[RULE 441, 5-7-1976]

[Devices subject to this condition : D2857, D2858]

**FACILITY PERMIT TO OPERATE
BP WEST COAST PROD.LLC BP CARSON REF.**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

D322.4 The operator shall perform annual inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001; RULE 404, 2-7-1986]

[Devices subject to this condition : C2661, C2662, C2663]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a bi-weekly basis, at least, unless the equipment did not operate during the entire bi-weekly period. The routine bi-weekly inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : C1302, C1305, C1308, C1326, C1661]

D323.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

**FACILITY PERMIT TO OPERATE
BP WEST COAST PROD.LLC BP CARSON REF.**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D121, D122, D127, D128, D129, D130, D131, D132, D133, D134, D135, D136, D137, D138, D139, D140, D141, D142, D143, D144, D146, D147, D148, D149, D150, D2617, D2618, D2619, D2620, D2621, D2622, D2623, D2624, D2625, D2626, D2627, D2641, D2642, D2643, D2644, D2658, D2659, D2660]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

D323.3 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a weekly basis, at least, unless the equipment did not operate during the entire weekly period. The routine weekly inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D164, C2769]

D323.4 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a monthly basis, at least, unless the equipment did not operate during the entire monthly period. The routine monthly inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D183, D184]

- D328.1 The operator shall determine compliance with the CO emission limit(s) either: (a) conducting a source test at least once every five years using AQMD Method 100.1 or 10.1; or (b) conducting a test at least annually using a portable analyzer and AQMD-approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with the CO emission limit(s). The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982]

[Devices subject to this condition : D31, D626, D1433]

- D381.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a quarterly basis, at least, unless the equipment did not operate during the entire quarterly period. The routine quarterly inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : C2661, C2662, C2663]

E. Equipment Operation/Construction Requirements

- E57.2 The operator shall vent this equipment to the vapor return line of the ammonia delivery truck whenever the ammonia tank is being filled.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D2652]

- E57.3 The operator shall vent this equipment to the reactor of No.2 Tail Gas Unit whenever this equipment is in operation.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D2668]

- E57.4 The operator shall vent this equipment to the KO pots RPV4125, 4126, and 5438 (Device Nos.D877, D878, and D890) of the sulfur recovery units whenever this equipment is in operation.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D900]

- E71.9 The operator shall not operate this equipment to process VOC unless the pressure control valve 29-PV-410B connected to the vapor recovery system is closed at all times except during startup, shut down, breakdown, or emergency. The operator shall continuously monitor and record the valve stem position. Such records shall be maintained for at least two years and made available to District personnel upon request.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D508]

- E71.13 The operator shall only fire this equipment using natural gas exclusively. The term "natural gas" as defined in this permit means a mixture of gaseous hydrocarbons, with at least 80 percent methane (by volume), and of pipeline quality, such as the gas sold or distributed by any utility company regulated by the California Public Utilities Commission.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D1433]

- E71.14 The operator shall not use this equipment to load additive unless the loading rate is less than 150 pounds per hour.

[RULE 1401, 6-15-2001]

[Devices subject to this condition : D2658, D2659, D2660]

- E71.15 The operator shall not operate this equipment for more than 90 days unless the replaced storage tank, Device ID D1129, is demolished or disabled. To disable the tank, both inlet and outlet ports shall be blind flanged and the manway shall be removed..

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D2612]

- E71.17 The operator shall only use this equipment to receive sour water from pressurized sphere 710 (Device ID D2728), unless pressurized sphere (D2728) is out of service due to breakdown, maintenance or turnaround. This condition shall become effective 18 months after the date that the District issues all necessary permits to construct for pressurized sphere (D2728).

[Devices subject to this condition : D1113]

- E71.18 The operator shall not send sour water from this equipment to tanks 774 and or 775 when the pressure inside the sphere is greater than 2 psig.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D2728]

- E73.3 Notwithstanding the requirements of Section E conditions, the operator may, at his discretion, choose not to use the FCC Unit SCR if all of the following requirement(s) are met:

The District shall be notified 24 hours in advance of any scheduled bypass of the FCC Unit SCR.

The District shall be notified one hour after any unscheduled bypass of the FCC Unit SCR.

Bypass stack CEMS is fully operational with daily calibration checks to measure NO_x, SO_x, O₂ and CO.

An annual report shall be submitted to the District which includes a summary of the number of hours the SCR was bypassed, a description of maintenance and all scheduled and unscheduled work performed for each bypass event.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : C2651]

- E73.4 Notwithstanding the requirements of Section E conditions, the operator is not required to use both the North and South Area Flare Gas Recovery Systems (Process 21, System 10 & Process 21, System 11) concurrently if::

The load on the flare gas recovery system is not sufficient to require both compressor systems to be online.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D2797, D2800]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

- E73.5 Notwithstanding the requirements of Section E conditions, the operator is not required to use all three vapor recovery compressors concurrently if:

The load on the vapor recovery system is not sufficient to require all three compressors to be online.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D1313, D1314, D2807]

- E125.1 The operator shall drive all the outgoing petroleum coke trucks, whether filled or empty, through the truck wash system in order to thoroughly wash any residual coke off the exterior of the trucks.

[RULE 1158, 7-11-2008]

[Devices subject to this condition : D146, D2627]

- E128.1 The operator shall keep all spent carbon in a tightly covered container which shall remain closed except when it is being transferred into or out of the container.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : C2446, C2886]

- E137.1 The operator shall treat petroleum coke storage pile and petroleum coke with water spray or dust suppressant, as needed, to prevent any air borne dust emissions at all times.

[RULE 1158, 7-11-2008]

[Devices subject to this condition : D146, D2617, D2618, D2619, D2620, D2621, D2622, D2623, D2624, D2625, D2626, D2627, D2641, D2642]

- E153.6 The operator shall change over the carbon in the adsorber whenever breakthrough occurs.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

For the purpose of this condition, breakthrough occurs when the hydrocarbon monitor reading indicates a concentration of 500 ppmv at the outlet of the first carbon canister. If breakthrough occurs, the spent carbon adsorber shall either be replaced with an identical unit containing fresh activated carbon or the spent carbon shall be removed and replaced with fresh activated carbon.

The replacement activated carbon shall have a Butane Activity of not less than 21.4%, as measured according to ASTM Method 5742, or a Carbon Tetrachloride (CTC) Activity of not less than 60%, as measured by ASTM Method 3467.

To replace the carbon adsorber, the operator shall remove the first carbon canister, replace it with a fresh carbon adsorber or rotate the second adsorber in series to first, and put in a new second carbon adsorber.

The operator shall change over the carbon in the adsorber, at minimum, on an annual basis, without respect to whether breakthrough has occurred.

[RULE 1176, 9-13-1996; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C2886]

E153.7 The operator shall change over the carbon in the adsorber whenever breakthrough occurs.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

For the purpose of this condition, breakthrough occurs when the hydrocarbon monitor reading indicates a concentration of 5000 ppmv at the outlet of the first carbon canister. If breakthrough occurs, the spent carbon adsorber shall either be replaced with an identical unit containing fresh activated carbon or the spent carbon shall be removed and replaced with fresh activated carbon.

The replacement activated carbon shall have a Butane Activity of not less than 21.4%, as measured according to ASTM Method 5742, or a Carbon Tetrachloride (CTC) Activity of not less than 60%, as measured by ASTM Method 3467.

To replace the carbon adsorber, the operator shall remove the first carbon canister, replace it with a fresh carbon adsorber or rotate the second adsorber in series to first, and put in a new second carbon adsorber.

The operator shall change over the carbon in the adsorber, at minimum, on an annual basis, without respect to whether breakthrough has occurred.

[RULE 1176, 9-13-1996; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C2446]

E193.1 The operator shall construct this equipment according to the following specifications:

This heater shall be equipped with an oxygen analyzer to measure excess O₂ at its convection section or exhaust stack. The excess oxygen shall be maintained at a minimum of 1 percent, dry basis, except during startup and shutdown, or process upset.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D1433]

E193.3 The operator shall operate and maintain this equipment according to the following specifications:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The operator shall comply with all applicable requirements specified in Subpart A of the 40CFR60

[40CFR 60 Subpart A, 6-13-2007]

[Devices subject to this condition : C1302, C1305, C1308, C1326, C1661]

E193.4 The operator shall install this equipment according to the following specifications:

A blind flange shall be installed at the connection to this ejector from the flash drum at a location accessible for inspection.

This equipment shall be operated only during refinery turnaround in accordance with Rule 1123.

[RULE 1123, 12-7-1990]

[Devices subject to this condition : D2648]

E193.5 The operator shall construct, operate, and maintain this equipment according to the following requirements:

The connection line between the amine absorber overhead to the refinery flare shall be equipped with a closed valve at all times. This line shall be disconnected and sealed with a blind flange in the next turnaround of the tail gas unit but not later than December 31, 2003 for TGU No.2 and December 31, 2004 for TGU No.1.

[RULE 2011, 5-6-2005]

[Devices subject to this condition : C896, C2406]

E193.9 The operator shall construct, operate, and maintain this equipment according to the following specifications:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The connection line between the regenerator overhead accumulator (D900) to the refinery flare shall be blocked with a closed valve equipped with a car seal. This equipment shall not be vented to the flare except during startup or shutdown of this equipment.

The operator shall keep a detailed record of each time the valve is opened and each time the car seal is unsealed. The record shall include the reason the valve was opened, the length of time it was open, a calculation of the amount of gas released from this equipment and the basis of the calculation.

If the car seal is unsealed for any reason, the operator shall immediately replace the car seal and shall make a record of the date and time of the "break". Record of startup and shutdown shall be maintained for at least three years and made available to District personnel upon request.

All sour water shall be routed to a sour water treatment system through a closed vent system. Sour water shall not be discharged to any open drain.

[RULE 2011, 5-6-2005; RULE 407, 4-2-1982]

[Devices subject to this condition : D900]

E193.11 The operator shall construct, operate, and maintain this equipment according to the following specifications:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The Rich MDEA Flash Drum RPV 2685 (D796) shall be used for sour water service only when Sour Water Flash Drum RPV 2257 (D780) is not in service during equipment turnaround. The period of sour water service shall not exceed 30 days in each turnaround.

The District shall be notified in writing at least three business days in advance of any scheduled placement of this equipment in sour water backup service and the duration of the sour water backup service. The notification shall also include the reason of the shut down of Sour Water Flash Drum RPV2257. The District shall be notified in writing within three business days of returning to normal MDEA operation. Notification shall be addressed to: Refinery_compliance@aqmd.gov

All vent gases under normal operating conditions during both MDEA and sour water services shall be directed to the Coker Blowdown Gas Recovery System (Process 2 System 6) and/or the FCCU Fractionator Overhead Accumulator (D168).

The bypass connection line from this equipment to the FCC flare shall be blocked with a closed valve equipped with a car seal. This equipment shall not be vented to the FCC flare except during emergency.

The operator shall replace the car seal each time the bypass valve is opened and the car seal is broken. The operator shall keep records of the car seal replacement. The records shall include the reason the valve was opened, description of the emergency, the length of time it was open, a calculation of the amount of gas released from this equipment and the basis of the calculation. Such records shall be maintained for at least five years and made available to the District personnel upon request.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D796]

E193.12 The operator shall construct, operate, and maintain this equipment according to the following specifications:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

This flash drum shall be used only when Rich MDEA Flash Drum RPV 2685 is either out of service or in sour water service according to condition E193.11 and only when one of the MDEA regeneration units (and not both) is in operation.

All vent gases under normal operating conditions shall be directed to the Coker Blowdown Gas Recovery System (Process 2 System 6) and/or the FCCU Fractionator Overhead Accumulator (D168).

The bypass connection line from this equipment to the FCC flare shall be blocked with a closed valve equipped with a car seal. This equipment shall not be vented to the FCC flare except during emergency.

The operator shall replace the car seal each time the bypass valve is opened and the car seal is broken. The operator shall keep records of the car seal replacement. The records shall include the reason the valve was opened, description of the emergency, the length of time it was open, a calculation of the amount of gas released from this equipment and the basis of the calculation. Such records shall be maintained for at least five years and made available to the District personnel upon request.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D2712]

E193.15 The operator shall operate and maintain this equipment as follows:

The operator shall discharge dust collected in the ESP only into hoppers or closed container bins. The dust from these hoppers or bins shall be loaded into vacuum trucks

[RULE 1105.1, 11-7-2003]

[Devices subject to this condition : C2769]

E193.17 The operator shall operate and maintain this equipment as follows:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Whenever the FCCU is in operation, the regenerator exhaust shall vent to the ESP (C2769) which shall be maintained in operation with a minimum of 36 of 40 bus sections energized. Only one bus section in each of the four gas paths may be deenergized at any one time, except during the time required to isolate a bus section in an adjacent path, not to exceed 8 hours per event

The operator shall install and maintain a monitoring and recording system to indicate the on/off operating status of each bus section (40 total). When an alarm indicates any TR (20 total) has been deenergized or reenergized, the operator shall prepare a record to document the status of the bus sections on that TR. These records shall be kept for a minimum of 5 years.

The operator shall not operate the FCCU if emissions from the FCCU to the atmosphere exceed the following limit for filterable PM10: 2.8 lbs/1000 bbls of fresh feed

[RULE 1105.1, 11-7-2003]

[Devices subject to this condition : D164, C2769]

E193.18 The operator shall construct, operate, and maintain this equipment according to the following specifications:

The operator shall comply with all mitigation measures stipulated by the AQMD Certified EIR SCH # 2005111057 dated 9/15/06

[CA PRC CEQA, 11-23-1970]

[Devices subject to this condition : D164, D166, D167, D168, D187, D188, D189, D192, D198, D203, D354, D357, D373, D374, D375, D376, D576, D577, D608, D610, D612, D613, D1306, C1326, D2387, C2769, S2771, D2772, D2773, D2774]

E193.21 The operator shall restrict the operation of this equipment as follows:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The flare may serve to backup the No. 5 Flare only when the No. 5 Flare is taken out of service during the planned shutdown periods, and all of the following criteria are met:

Except for the Fuel Gas Mix System (Process 10, System 1), the system(s) or process(es) normally routed to the FCC Flare shall be isolated such that the flare would receive only vent gas and purge gas from the system(s) or process(es) normally routed to the No. 5 Flare. In addition, the FCC Flare shall not be utilized to backup the Coker Flare or Hydrocracker Flare at the same time.

The following units shall not be in operation: Fluid Catalytic Cracking Unit, FCCU Gas Plant & FCCU Gas Compression Unit (Process 3, System 1, 2, & 3), Liquid Recovery Unit (Process 4, System 8), Alkylation Units (Process 9, Systems 1, 4, & 9), LPG Recovery & Drying Facilities (Process 10, System 2 & 3), C3 Splitter Unit (Process 4, System 9), Butane Isomerization Unit (Process 9, System 10), Hydrogen Plant No. 2 (Process 7, System 2), UOP Merox Unit (Process 12, System 8).

The following units shall not be in operation: refinery supporting operations located at INEOS POLYPROPYLENE LLC, Facility ID: 124808 (Process 1, System 1, 2, 3, 5, 6, & 9).

For Total Power, Partial Power, and Cooling Water failure scenarios, the relief loads shall not exceed the hydraulic capacity of the flare. If requested by District personnel, the operator shall provide analysis or, if one is not available, perform hydraulic modeling analysis of the relief event to demonstrate compliance with this condition.

In each of the above failure scenarios, only the following units shall relief to the flare: No. 1 Crude Unit (Process 1, System 1), Naphtha HDS Unit (Process 5, System 5), Naphtha HDS Reactor Heater RW 0053 (Device 1433), and Naphtha Isomerization Unit (Process 9, System 8), C5 Alkylation Depentanizer Unit (Process 9, System 6), Superfractionation Unit (Process 4, System 1), LPG Tank Truck Loading/Unloading Rack (Process 14, System 10), and LPG Rail Car Loading/Unloading Rack (Process 14, System 11).

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

In event of a fire, the Fuel Mix Drum System (Process 10, System 1), Butane Isomerization Unit (Process 9, System 10) and Hydrogen Plant No. 2 (Process 7, System 2) may also relief to the flare in addition to the units described above.

All other relief events to the flare shall not exceed the smokeless capacity of 350,000 lbs/hr for a total of five minutes during two consecutive hours except during periods of startup, shutdown, or malfunction (NSPS Subpart A, 40 CFR 60.18). If requested by District personnel, the operator shall provide analysis, or, if one is not available, perform hydraulic modeling analysis of the relief event to demonstrate compliance with this condition.

The operator shall not utilize the FCC Flare to backup the No. 5 Flare for a period greater than 30 days, unless otherwise approved in writing by the Executive Officer.

The operator shall notify the District a minimum of 10 days before the start of the planned shutdown of the No. 5 Flare. This notification shall indicate the estimated duration of the shutdown.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : C1305]

E193.23 The operator shall operate and maintain this equipment according to the following specifications:

The operator shall discharge the collected hydrocarbon liquids in the coalescers only into the closed container bin

[RULE 402, 5-7-1976]

[Devices subject to this condition : D2858]

E193.25 The operator shall restrict the operation of this equipment as follows:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The flare may serve to backup the FCCU Flare only when the FCCU Flare is taken out of service during the planned shutdown periods, and all of the following criteria are met:

The following units shall not be in operation: Hydrocracker Units (Process 8, System 1 & 2), Hydrogen Plant (Process 7, System 1).

When the HC Flare is serving as backup to the FCC Flare, only the following units shall relief to the flare:

Jet Fuel Hydrotreating Unit (Process 5, System 1), Mid-Barrel Desulfurizer Unit (Process 5, System 2), Light Gasoline Hydrogenation Unit (Process 5, System 4), LPG Recovery System (Process 10, System 2), LPG Drying Facilities (Process 10, System 3), Catalytic Reforming Units (Process 6, Systems 1, 2 & 3), MDEA Regeneration Systems No 1 & 2 (Process 12, Systems 9 & 10),

FCCU, FCCU Gas Plant & FCCU Gas Compression Unit (Process 3, Systems 1, 2 & 3), Propylene Tetramer Unit (Process 3, System 6), Liquid Recovery Unit (Process 4, System 8), Catalytic Polymerization Unit (Process 9, System 2), Fuel Gas Mix Drum System (Process 10, System 1), North Sour Water Treatment Unit (Process 12, System 14).

For No. 9 Cooling Tower failure scenario, the relief loads shall not exceed the hydraulic capacity of the flare. If requested by District personnel, the operator shall provide analysis, or, if one is not available, perform hydraulic modeling analysis of the relief event to demonstrate compliance with this condition.

In No. 9 Cooling Tower failure scenario, only the following units shall relief to the flare: FCCU, FCCU Gas Plant & FCCU Gas Compression (Process 3, Systems 1, 2 & 3) and MDEA Regeneration Systems No. 1 & 2 (Process 12, System 9 & 10).

All other relief events to the flare shall not exceed the smokeless capacity of a flare designed for 417,000 lb/hr for a total of five minutes during two consecutive hours except during periods of startup, shutdown, or malfunction. If requested by District personnel, the operator shall provide analysis, or, if one is

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

not available, perform hydraulic modeling analysis of the relief event to demonstrate compliance with this condition.

The operator shall not utilize the HC Flare to backup the FCCU Flare for a period greater than 30 days, unless otherwise approved in writing by the Executive Officer.

The operator shall notify the District a minimum of 10 days before the start of the planned shutdown of the FCCU Flare. This notification shall indicate the estimated duration of the shutdown.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : C1308]

E204.1 The operator shall maintain the petroleum coke storage, handling and receiving equipment according to the following specifications:

green coke storage piles shall be reasonably level and shall not be higher than one foot below the top of the back stop wall or twelve(12) feet whichever is lower

mobile equipment shall not operate on top of the green coke storage piles

no more than four (4) days of coker run shall be stored in this emergency storage area

each day of coker run stored in this emergency system shall be removed within 2 1/2 days after operation of the coke screen is resumed. (for example, if two days of coker run is stored it shall be removed within 5 days)

conveyor housing shall be kept closed at all times except during emergency maintenance

[RULE 1158, 7-11-2008]

[Devices subject to this condition : D148]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

- E204.2 The operator shall maintain the petroleum coke storage, handling and receiving equipment according to the following specifications:

any coke, coke fines or coke residue on the concrete emergency storage area and associated gutters shall be removed while still wet for processing or disposal after coke rerun within the time limit specified in condition 204-1

[RULE 1158, 7-11-2008]

[Devices subject to this condition : D148]

- E204.3 The operator shall maintain the petroleum coke storage, handling and receiving equipment according to the following specifications:

conveyor housing shall be kept closed at all times except during necessary maintenance

[RULE 1158, 7-11-2008]

[Devices subject to this condition : D133, D134, D135, D136, D137, D138, D139, D140]

- E204.4 The operator shall maintain the petroleum coke storage, handling and receiving equipment according to the following specifications:

fines which are recovered from conveyor return belts may be conveyed only by the belts carrying wet straight run coke or shall be transported by other carrier directly to the coke storage building

[RULE 1158, 7-11-2008]

[Devices subject to this condition : D127, D128, D129, D130, D131, D132, D133, D134, D135, D136, D137, D138, D139, D140]

- E204.5 The operator shall maintain the petroleum coke storage, handling and receiving equipment according to the following specifications:

the emergency coker run conveyors nos. 16 and 17, rerun hopper and front end loader shall be washed of coke residue after each use

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[RULE 1158, 7-11-2008]

[Devices subject to this condition : D147, D150]

E204.6 The operator shall maintain the petroleum storage, handling and receiving equipment according to the following specifications:

green coke from this emergency storage facility shall only be processed through the rerun conveyor no. 17 to the screen house

[RULE 1158, 7-11-2008]

[Devices subject to this condition : D150]

E204.7 The operator shall operate the valve to atmosphere according to the following specifications:

The valve shall be kept closed during normal operation and shall only be used for steaming out the tower during turnaround maintenance activities.

[RULE 1123, 12-7-1990]

[Devices subject to this condition : D1530]

E204.8 The operator shall operate the valve to atmosphere according to the following specifications:

The valve shall be kept closed during normal operation and shall only be used during startups, shutdowns and steam cleaning at the shutdown period

[RULE 1123, 12-7-1990]

[Devices subject to this condition : D2857, D2858]

E336.2 The operator shall vent the vent gases from this equipment as follows:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

All vent gases under normal operating conditions shall be directed to a vapor recovery system.

This equipment shall not be operated unless the vapor recovery system (consisting of three compressors operated independently or concurrently at any given time) is in full use and has a valid permit to receive vent gases from this equipment.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D1069, D1084, D1106, D1113, D1114]

E336.5 The operator shall vent the vent gases from this equipment as follows:

All emergency vent gases shall be directed to vapor recovery system (process 21 System 4) or a flare system.

This equipment shall not be operated unless the vapor recovery system (consisting of three compressors operated independently or concurrently at any given time) or flare system is in full use and has a valid permit to receive vent gases from this equipment.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D780, D781, D844]

E336.6 The operator shall vent the vent gases from this equipment as follows:

All acid gases under normal operating conditions shall be directed to the sulfur recovery units.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D839, D842]

E336.7 The operator shall vent the vent gases from this equipment as follows:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

If the operator has not completed construction and commenced full operation of the new pressurized sphere (reference permit application No.434526) to replace existing tank D1112 (Tank 710) within 18 months after the date that the District issues all necessary permits to construct for the sphere, then the operator shall control vent gases from this device according to the following schedule:

No later than 20 months after the issuance of the permit(s) to construct for the Tank 710 sphere, the operator shall submit a complete application or applications for permit(s) to construct for all modifications necessary to ensure that all of the gases from any valve that, if opened, would release to the atmosphere will be directed to air pollution control equipment

Effective 18 months after the District takes action to issue or deny the permit(s) to construct for connection to air pollution control equipment, all gases from any valve that, if opened, would release to the atmosphere shall be directed to air pollution control equipment. This device shall not be operated thereafter unless this air pollution control equipment is in full use and has a valid permit or permits to receive vent gases from this device

This condition is effective until the proposed replacement of existing tank D1112 (Tank 710) with a new pressurized sphere (new Tank 710) as specified in permit application No.434526 is in full operation. This condition shall be void upon commencement of full operation of new Tank 710 and thereafter shall be unenforceable

[RULE 402, 5-7-1976]

[Devices subject to this condition : D1113]

E336.8 The operator shall vent the vent gases from this equipment as follows:

All emergency vent gases shall be directed to the south area flare system.

This equipment shall not be operated unless the flare system is in full use and has a valid permit to receive vent gases from this equipment.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D636, D838, D841, D923, D924, D2719]

E336.9 The operator shall vent the vent gases from this equipment as follows:

All vent gases under normal operating conditions (when the pressure inside the tank is equal to or less than 2 psig) shall be directed to Vapor Recovery System (Process 21 System 4).

This equipment shall not be operated unless the vapor recovery system (consisting of three compressors operated independently or concurrently at any given time) is in full use and has a valid permit to receive vent gases from this equipment.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D2728]

E336.10 The operator shall vent the vent gases from this equipment as follows:

All vent gases under upset operating conditions (when the pressure inside the tank exceeds 2 psig and is less than 45 psig) shall be directed to the Blowdown Gas Compression System (Process 2 System 6).

This equipment shall not be operated unless the Blowdown Gas Compression System (consisting of three compressors operated independently or concurrently at any given time) is in full use and has a valid permit to receive vent gases from this equipment.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D2728]

E336.11 The operator shall vent the vent gases from this equipment as follows:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

All emergency vent gases (when the pressure inside the tank is at or above 45 psig) shall be directed to a flare system (Process 21 System 1).

This equipment shall not be operated unless the flare system is in full use and has a valid permit to receive vent gases from this equipment.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D2728]

E336.12 The operator shall vent the vent gases from this equipment as follows:

All vent gases under normal operating conditions shall be directed to Vapor Recovery System (Process 21 System 4) or Blowdown Gas Compression system (Process 2 System 6).

This equipment shall not be operated unless the vapor recovery system or blowdown gas compression system (each consisting of three compressors operated independently or concurrently at any given time) for which vent gases is being directed to is in full use and has a valid permit to receive vent gases from this equipment.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D780, D781, D844]

E336.14 The operator shall vent the vent gases from this equipment as follows:

All emergency vent gases shall be directed to Device D43.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D56, D60, D2833]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

E336.15 The operator shall vent the vent gases from this equipment as follows:

All emergency vent gases shall be directed to Device D166.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D2841, D2842, D2843]

H. Applicable Rules

H23.1 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
H2S	40CFR60, SUBPART	J

[40CFR 60 Subpart J, 6-24-2008]

[Devices subject to this condition : D31, C1326, C1661]

H23.3 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1173
VOC	40CFR60, SUBPART	GGG

[RULE 1173, 5-13-1994; RULE 1173, 2-6-2009; 40CFR 60 Subpart GGG, 6-2-2008]

[Devices subject to this condition : D2462, D2463, D2469, D2470, D2471, D2472, D2473, D2474, D2476, D2481, D2484, D2485, D2493, D2494, D2495, D2496, D2497, D2505, D2514, D2517, D2518, D2527, D2534, D2542, D2543, D2544, D2545, D2546, D2799, D2802]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

H23.4 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1149
VOC	District Rule	1178
VOC	District Rule	463

[RULE 1149, 5-2-2008; RULE 1178, 4-7-2006; RULE 463, 5-6-2005]

[Devices subject to this condition : D1000, D1001]

H23.5 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	Kb

[40CFR 60 Subpart Kb, 10-15-2003]

[Devices subject to this condition : D1000, D1001]

H23.12 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Benzene	40CFR61, SUBPART	FF

[40CFR 61 Subpart FF, 12-4-2003]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D169, D188, D190, D265, D277, D354, D406, D408, D663, D668, D780, D796, D844, D1000, D1001, D1113, D1114, C1302, C1305, D1306, C1308, D1309, D1325, C1326, D1327, D1328, D1355, D1356, D1385, D1402, C1661, D1662, D1978, D2628, D2712, D2728, D2739, D2773, D2838, D2894, D2895, D2896, D2897]

H23.14 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	QQQ

[40CFR 60 Subpart QQQ, 10-17-2000]

[Devices subject to this condition : D2835]

H23.22 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1176

[RULE 1176, 9-13-1996]

[Devices subject to this condition : D2902]

H23.27 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
HAPs	40CFR63, SUBPART	UUU

[40CFR 63 Subpart UUU, 4-20-2006]

[Devices subject to this condition : D164]

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

H23.29 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
SOX	District Rule	1118

[RULE 1118, 11-4-2005]

[Devices subject to this condition : C1302, C1305, C1308, C1326, C1661]

H23.32 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
H2S	40CFR60, SUBPART	J

[40CFR 60 Subpart J, 6-24-2008]

[Devices subject to this condition : D626]

H23.33 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
ROG	40CFR60, SUBPART	GGGa

[40CFR 60 Subpart GGGa, 6-2-2008]

[Devices subject to this condition : D2797, D2800, D2807]

I. Administrative

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

- 11.1 The operator shall comply with all the requirements of the conditions and compliance schedule as specified in the variance dated July 15, 2008, Case no. 5357-36, in accordance with the Findings and Decisions of the Hearing Board or as subsequently modified by the Hearing Board. The operator shall submit progress reports at least semi-annually, or more frequently if specified in the Findings and Decisions. The progress reports shall contain dates for achieving activities, milestones or compliance required in the schedule of compliance and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not, or will not be met, and any preventative or corrective measures adopted.

The variance (or Order for Abatement) referenced in this condition does not affect federal or citizen enforceability of the underlying SIP approved rules for which the applicant is receiving the variance (or Order for Abatement).

[RULE 3004(a)(10)(C), 12-12-1997]

[Devices subject to this condition : C1302, C1305, C1308, C1326, C1661]

- I296.1 This equipment shall not be operated unless the operator demonstrates to the Executive Officer that the facility holds sufficient RTCs to offset the prorated annual emissions increase for the first compliance year of operation. In addition, this equipment shall not be operated unless the operator demonstrates to the Executive Officer that, at the commencement of each compliance year after the first compliance year of operation, the facility holds sufficient RTCs in an amount equal to the annual emissions increase.

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D1530]

K. Record Keeping/Reporting

- K40.2 The operator shall provide to the District a source test report in accordance with the following specifications:

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Source test results shall be submitted to the District no later than 45 days after the source test was conducted.

Emission data shall be expressed in terms of concentration (ppmv) corrected to 3 percent oxygen (dry basis), mass rate (lbs/hr), and lbs/MM Cubic Feet. In addition, solid PM emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

All exhaust flow rate shall be expressed in terms of dry standard cubic feet per minute (DSCFM) and dry actual cubic feet per minute (DACFM).

All moisture concentration shall be expressed in terms of percent corrected to 3 percent oxygen.

Source test results shall also include the oxygen levels in the exhaust and the flue gas flow rate under which the test was conducted.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : C2651]

- K67.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Fuel heating value

Fuel rate

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D31]

- K67.5 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Throughput and vapor pressure of stored liquid.

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[RULE 1178, 4-7-2006; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 463, 5-6-2005]

[Devices subject to this condition : D1069, D1084, D1106]

K67.8 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The name of the person performing the inspection and/or maintenance of the filter media

The date, time, and results of the inspection

The date, time, and description of any maintenance or repairs resulting from the inspection

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001; RULE 404, 2-7-1986]

[Devices subject to this condition : C2661, C2662, C2663]

K67.15 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Throughput, in barrels per hour

Tank pressure in psig

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D1113, D1114, D2728]

K67.16 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Monitor and replacement of carbon canister

FACILITY PERMIT TO OPERATE BP WEST COAST PROD.LLC BP CARSON REF.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : C2446, C2886]

- K67.20 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Tank throughput in barrels per calendar month.

The operator shall operate and maintain an automatic tank level gauge (ATLG) and recorder to continuously measure and record the liquid surface level movement. The throughput, in barrels, shall be calculated using the following equation: $0.14 \times D \times D \times L$, where D is the diameter of the tank in feet based on the tank strapping chart and L is the total vertical one-way liquid surface level travel in feet per month. For the purpose of this condition, continuous recording is defined as once per hour.

Alternately, for tanks which do not have an ATLG device, the operator may use engineering calculations with parameters obtained from process records, shipping invoices, manual tank level gauging, etc to calculate throughput of the tank.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D2612]

- K67.21 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The operator shall determine the true vapor pressure of each material stored in the equipment by one of the following methods: 1) sample and test the materials stored, 2) derive the vapor pressure using engineering calculations, or 3) maintain on file a copy of the Material Safety Data Sheet (MSDS) of the material stored.

Records of material stored, and their MSDS if applicable, shall be retained for a period of five years and made available to the Executive Officer upon request.

**FACILITY PERMIT TO OPERATE
BP WEST COAST PROD.LLC BP CARSON REF.**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring,
12-12-1997]**

[Devices subject to this condition : D1000, D1001, D1069, D2612]